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ENVIRONMENTAL DATA BASE FOR REGIONAL STUDIES IN THE HUMID TROPICS

TRI-MONTHLY

MICROCLIMATIC SUMMARY

MARCH-MAY 1968

REPORT
BY
MICHAEL A. FRADEL, PROJECT OFFICER
DR. WILFRIED H. PORTIG, RESEARCH METEOROLOGIST

UNITED STATES ARMY TROPIC TEST CENTER
FORT CLAYTON, CANAL ZONE

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Fort Clayton, Canal Zone

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TRI-MONTHLY MICROCLIMATIC SUMMARY

Introduction

The microclimatic data summarized in this series of reports were collected by the US Army Tropic Test Center under the project Environmental Data Base for Regional Studies in the Humid Tropics. The project was sponsored by the Advanced Research Projects Agency of the Department of Defense and by the Army Research Office, Office of the Chief of Research and Development. It was an investigation of microclimatic, air chemistry, vegetation, soils, microbiological, and macrofaunal conditions at selected sites in the principal tropical environments of the Panama Canal Zone. The objective of the project was to assemble quantitative environmental data for RDT&E purposes.

This summarization begins a second series of publications which reflect the reduction in the data collection effort. The data summarized in this series were collected at the Albrook Forest site only as in contrast to data from several sites presented in the preceding series. The publications will be bound in increments of three months to each issue.

Site. Data summarized in this report were collected at the Albrook Forest site. Figure 1 shows the site locations within the Isthmus of Panama. The geographic coordinates of the site are: 09° 01'N, 79° 33'W, elevation 30 meters above sea level.

The station was located within a semi-evergreen forest in a region for which the mean annual precipitation is close to 80 inches, and where a well expressed dry season is typical. It had a 46-meter walk-up tower and an air-conditioned building to house the remote recording equipment and the observers. Both tower and station were dismanted in September 1969.

Instrumentation. A wide range of climatic elements were measured. Types of observations and frequencies are shown on Figure 4. Sensing equipment were mounted at several levels on the tower to provide measurements through the vertical profile. Additional instruments were emplaced in the immediate vicinity on or near the ground. Figures 2 and 3 show the instrument arrays. Additional temperature sensors were placed at new levels on the tower.

Beginning with this reporting period new instrumentation has replaced much of the old. Hygrothermographs were replaced by resistance type temperature sensors; new wind sensors, with a threshold speed of 0.7 mph were installed; tipping bucket raingages and radiation sensors were added.

Data Reduction and Storage. Much of the data were obtained by automatic means and were stored in digital form directly on paper punch tape each 15 minutes. The remaining data were read by observers on remote dials or stripcharts at 1/2, 1, or 6 hourly intervals and were entered on

standard punch cards. The data have been transferred from punched tape and cards onto magnetic discs. The tables of this summary are copies of computer printouts from the discs.

The maxima and minima presented in these summaries are the highest and lowest quarterly or half-hourly values, as applicable, and are tabulated under the full hour heading following the time of the measurement, e.g., if the extreme value was measured at 0115, the entry is made under the heading 0200. The exception to this is the precipitation measurements made with the Clear-Vu rain gage and the evaporation measurements which are made at six-hourly intervals.

The discs will ultimately be deposited with Natick Laboratories, Natick, Mass.

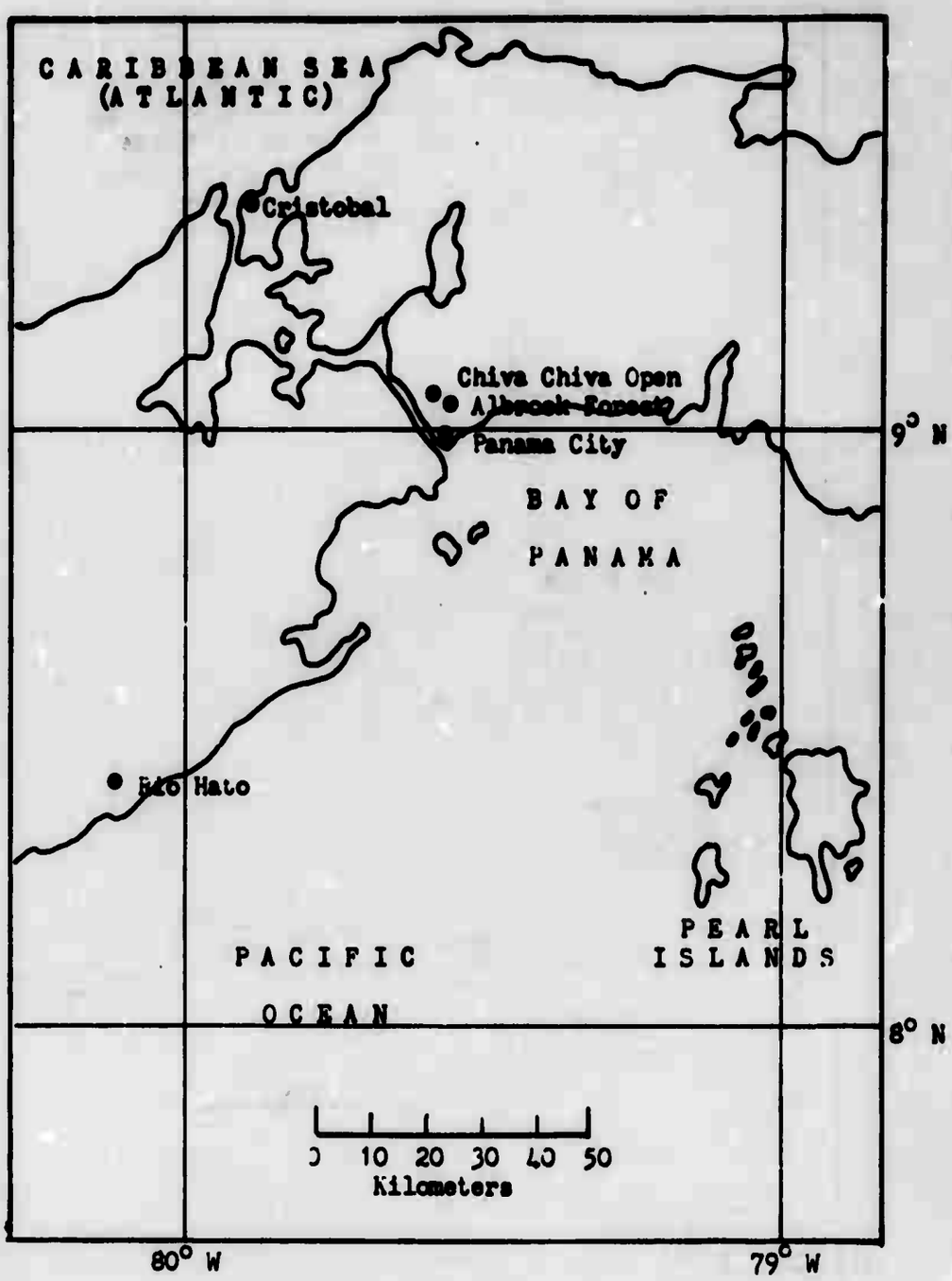

FIGURE 1. LOCATION MAP, ISTHMUS OF PANAMA

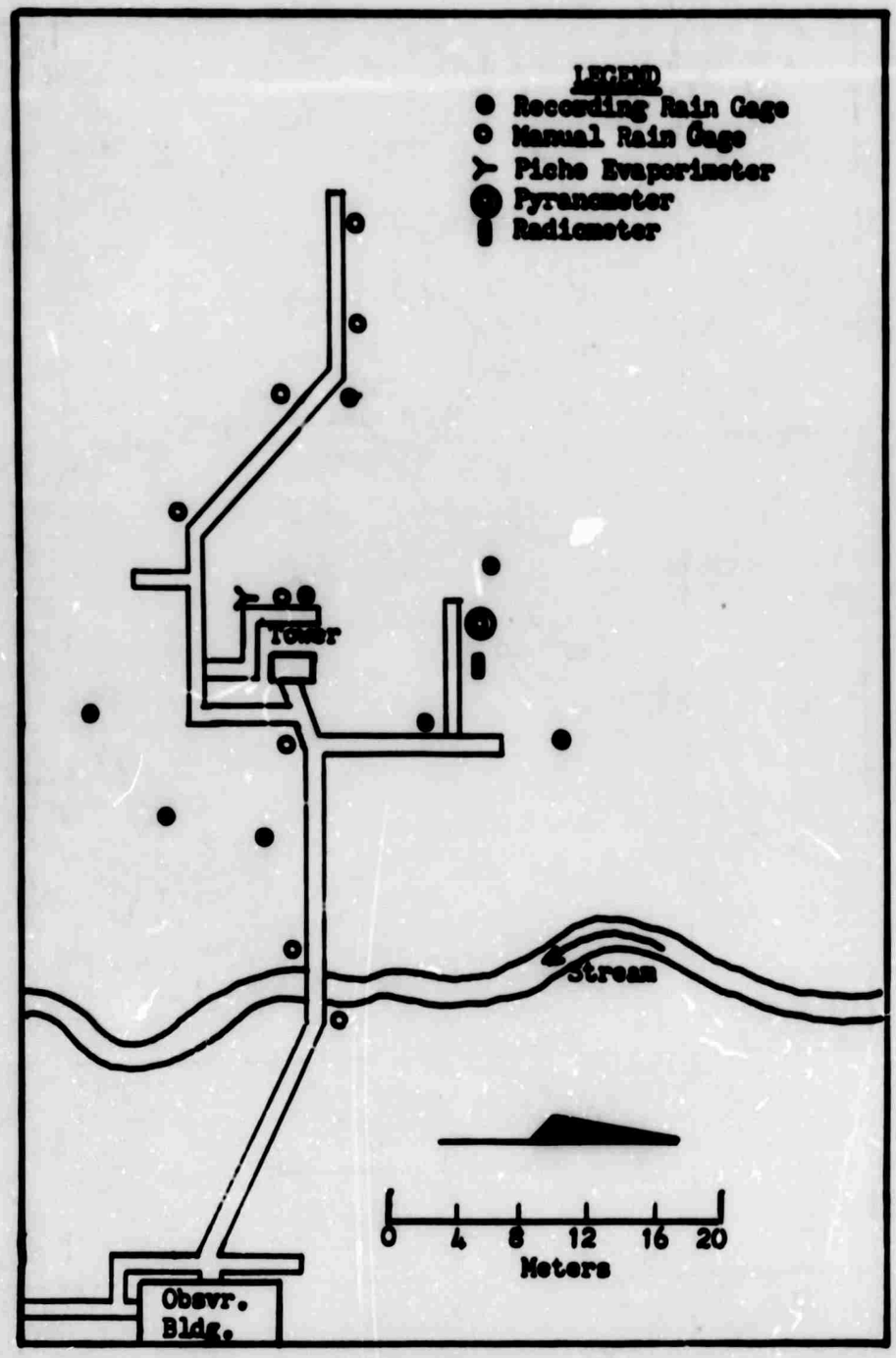

FIGURE 2 AIBROOK FOREST SITE, GENERALIZED PLOT

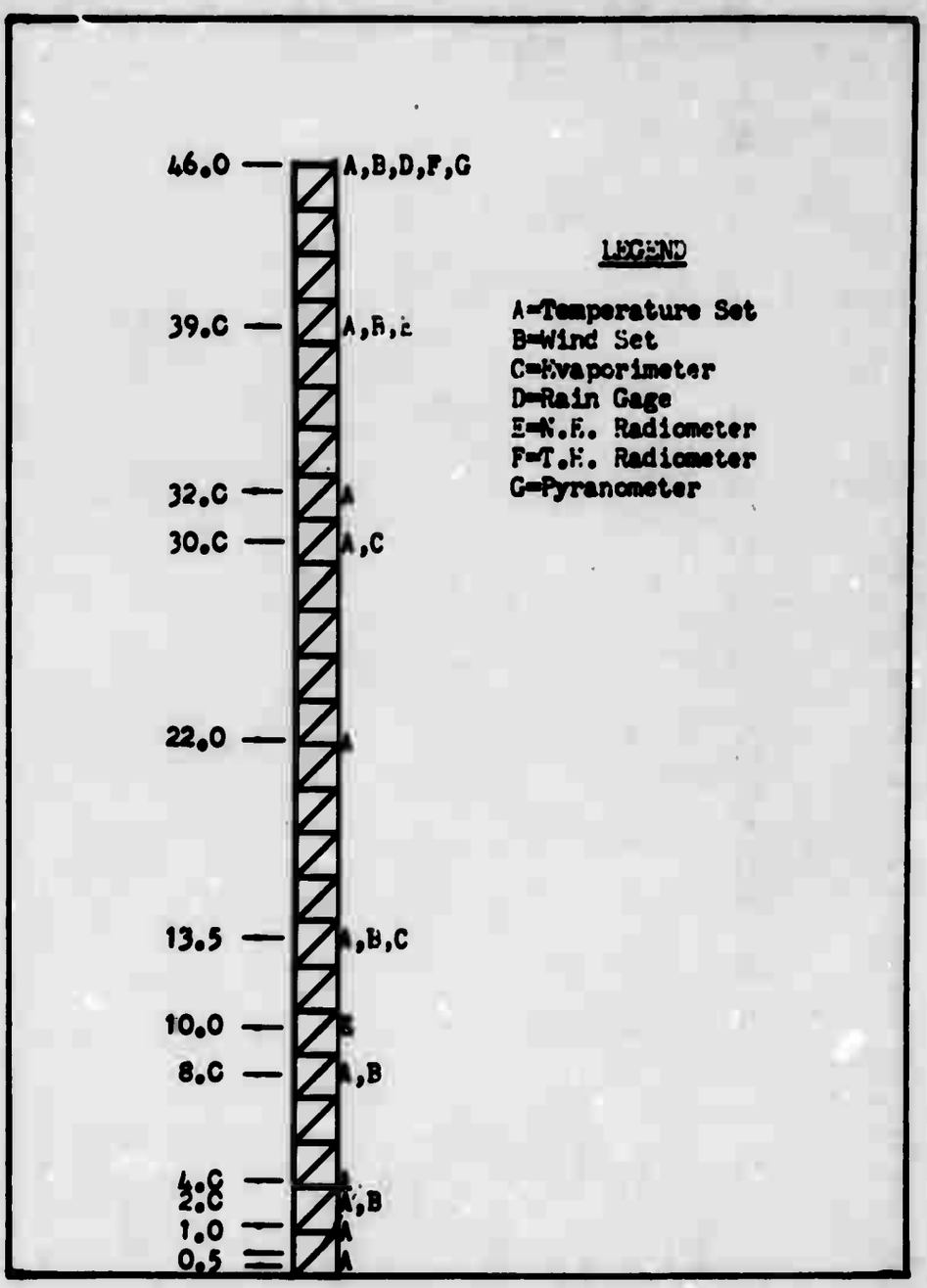

FIGURE 3. INSTRUMENT LOCATIONS ON TOWER
ALBROOK FOREST SITE

FIGURE 4 LOCATION AND FREQUENCY OF OBSERVATIONS

ELEMENT	0.5	1.0	2.0	4.0	8.0	10.0	13.5	22.0	30.0	32.0	39.0	46.0	FREQUENCY
Temperature:													
Dry bulb, resistce	-	-	-	x	-	-	x	x	x	x	-	x	1/4 hourly
Dry bulb, thermist	x	x	x	-	x	-	-	-	-	-	x	-	1/2 hourly
Wet bulb, resistce	-	-	-	x	-	-	x	x	x	x	-	x	1/4 hourly
Wet bulb, thermist	x	x	x	-	x	-	-	-	-	-	x	-	1/2 hourly
Evaporation:													
Piche	-	x	-	-	-	-	x	x	x	-	-	-	6 hourly
Precipitation:													
Tipping bucket	-	5*	-	-	-	-	-	-	-	-	-	x	1/4 hourly
Weighing-recording	-	3*	-	-	-	-	-	-	-	-	-	-	hourly
Clear-Vu	-	8*	-	-	-	-	-	-	-	-	-	-	6 hourly
Wind:													
Direction and speed	-	-	x	-	x	-	x	-	-	-	x	x	1/4 hourly
Radiation:													
Net exchange	-	-	-	-	-	x	-	-	-	-	x	-	1/4 hourly
Total hemispheric	-	x	-	-	-	-	-	-	-	-	-	-	1/4 hourly
Global	-	x	-	-	-	-	-	-	-	-	-	x	1/4 hourly

* 5, 3, and 8 raingages, respectively, were emplaced around the tower on the forest floor.

FIGURE 5 UNITS OF MEASUREMENT

ELEMENT	UNIT	RESOLUTION
Dry Bulb Temperature	Degree F	0.10
Wet Bulb	Degree F	0.10
Relative Humidity	Percent	0.01
Saturation Deficit	Millibar	0.10
Vapor Pressure	Millibar	0.01
Wind Speed	Mile/Hour	0.01
Wind Direction	Percent of 16 Cardinal Points	0.1
Precipitation	Cubic Inch	0.01
Evaporation	Cubic Inch	0.01
Radiation	Langley/Hour	0.01

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 100

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	7493	7460	7457	7451	7428	7430	7441	7611	7923	8196	8360	8477	8535	8542
39.0	7484	7468	7447	7438	7415	7406	7415	7597	7896	8148	8286	8415	8476	8491
32.0	7496	7473	7461	7453	7439	7419	7410	7628	7934	8249	8407	8543	8592	8564
30.0	7499	7481	7460	7454	7442	7421	7409	7645	8019	8281	8425	8569	8613	8599
22.0	7487	7455	7445	7428	7415	7386	7360	7535	7877	8150	8317	8467	8548	8554
13.5	7447	7404	7382	7366	7343	7322	7296	7486	7872	8173	8355	8517	8589	8579
8.0	7351	7315	7285	7264	7238	7212	7204	7434	7821	8137	8315	8397	8526	8500
4.0	7336	7296	7278	7263	7244	7209	7187	7350	7746	8064	8293	8474	8557	8538
2.0	7285	7253	7228	7211	7188	7160	7152	7353	7740	8073	8288	8420	8521	8491
1.0	7283	7254	7227	7201	7180	7157	7149	7345	7734	8065	8290	8435	8535	8507
0.5	7296	7264	7238	7221	7193	7171	7163	7352	7728	8064	8300	8452	8569	8527

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	8500	8436	8287	8092	7863	7730	7653	7621	7586	7557	7030	7861	8900
39.0	8456	8358	8260	8075	7853	7721	7651	7606	7558	7544	7000	7852	8770
32.0	8554	8430	8348	8149	7903	7775	7681	7640	7588	7547	6860	7909	8940
30.0	8571	8505	8358	8160	7909	7786	7687	7641	7588	7546	6900	7919	8970
22.0	8521	8470	8344	8158	7924	7781	7676	7623	7571	7538	6800	7876	8920
13.5	8528	8466	8343	8148	7909	7766	7628	7562	7506	7481	6770	7852	8960
8.0	8454	8396	8242	8068	7819	7651	7533	7454	7416	7401	6770	7768	8820
4.0	8483	8429	8296	8098	7856	7686	7559	7469	7406	7364	6760	7770	8990
2.0	8428	8377	8230	8029	7761	7596	7496	7398	7353	7325	6780	7723	8990
1.0	8444	8376	8209	8019	7759	7593	7492	7406	7363	7329	6780	7723	9000
0.5	8447	8361	8224	8014	7756	7593	7493	7414	7360	7337	6780	7731	9100

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	65	66	67	73	79	72	78	83	79	69	84	69	84	120
39.0	65	67	73	77	80	77	75	86	77	67	555	79	114	103
32.0	81	90	88	85	90	103	100	98	86	100	102	83	111	119
30.0	82	91	102	93	99	104	102	103	92	106	109	86	112	116
22.0	90	89	108	113	108	112	114	102	90	98	101	76	106	114
13.5	86	90	111	107	107	113	113	107	95	111	109	85	118	120
8.0	83	82	103	105	100	99	103	97	72	80	76	555	83	107
4.0	83	82	97	102	109	98	100	103	91	95	114	86	124	119
2.0	70	76	89	99	93	88	92	89	81	74	91	99	93	109
1.0	68	77	85	90	90	87	86	87	93	78	91	83	101	117
0.5	68	76	88	92	89	86	84	87	95	77	102	89	112	132

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	104	87	93	86	49	71	52	50	55	67	49	75	120
39.0	100	555	99	81	48	81	47	51	87	68	47	82	114
32.0	109	113	125	100	89	55	65	66	73	73	55	91	125
30.0	111	114	124	98	95	58	71	72	85	79	58	96	124
22.0	106	99	119	92	85	71	84	87	108	107	71	99	119
13.5	114	107	123	98	92	96	83	96	109	109	83	104	123
8.0	103	97	109	85	84	77	82	85	99	98	72	94	107
4.0	108	96	116	92	91	78	80	80	90	95	78	97	124
2.0	134	95	102	82	77	71	70	78	87	81	70	88	134
1.0	101	98	127	78	74	64	71	76	76	81	64	86	127
0.5	92	98	100	76	70	61	68	74	75	79	61	86	132

NOTE THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	788	787	787	788	782	785	788	802	830	854	877	879	882	890
39.0	786	787	787	767	780	782	785	799	827	850	867	872	877	873
32.0	794	794	791	790	791	789	790	813	840	861	878	886	892	894
30.0	795	796	792	792	794	796	792	818	846	870	883	891	894	897
22.0	799	797	795	795	795	793	794	802	832	855	872	883	884	892
13.5	790	791	792	793	791	791	790	800	832	860	879	891	896	895
8.0	782	780	783	783	780	779	780	790	812	860	869	878	882	880
4.0	784	779	780	781	787	776	776	789	814	845	878	889	899	894
2.0	768	769	769	777	771	768	770	782	808	842	881	899	892	882
1.0	768	769	768	770	770	769	764	780	820	845	860	890	900	887
0.5	768	769	768	770	770	768	762	780	820	845	890	890	910	910

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	873	867	853	838	810	799	798	790	793	789	890
39.0	870	861	851	833	806	799	792	791	792	789	877
32.0	862	887	868	848	821	813	801	798	800	796	894
30.0	887	888	869	847	822	816	805	802	803	801	897
22.0	883	874	863	840	824	810	808	803	806	802	892
13.5	891	880	867	846	823	812	800	803	800	798	896
8.0	875	869	849	830	809	799	792	790	789	788	882
4.0	883	868	861	839	820	798	796	787	786	769	899
2.0	871	865	847	828	805	790	783	780	777	773	899
1.0	879	868	848	826	804	784	783	780	775	772	900
0.5	872	870	850	826	800	783	783	780	774	771	910

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT x 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	723	721	720	715	703	713	710	719	751	785	793	810	798	770
39.0	721	720	714	710	700	705	710	713	750	783	555	793	763	770
32.0	713	704	703	705	701	686	690	715	754	761	776	803	781	775
30.0	713	705	690	699	695	692	690	715	754	764	774	805	782	781
22.0	709	708	687	682	687	681	680	700	742	757	771	807	778	778
13.5	704	701	681	686	684	678	677	693	737	749	770	806	778	775
8.0	699	698	680	678	680	680	677	693	740	780	793	555	799	773
4.0	701	697	683	679	678	678	676	686	723	750	764	803	775	775
2.0	698	693	680	678	678	680	678	693	727	768	790	800	799	773
1.0	700	692	683	680	680	682	678	693	727	767	789	807	799	770
0.5	700	693	680	678	681	682	678	693	725	768	788	801	798	778

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	769	780	760	752	761	728	746	740	738	722	703
39.0	770	555	752	752	760	718	745	740	705	721	700
32.0	773	774	743	746	732	756	736	732	727	723	686
30.0	776	774	745	749	727	758	734	730	718	722	690
22.0	777	775	744	748	739	739	724	716	698	695	680
13.5	777	773	744	748	731	716	717	707	691	689	677
8.0	772	772	740	745	725	722	710	705	690	690	677
4.0	775	772	745	747	729	720	716	707	696	694	676
2.0	737	770	745	746	728	719	713	702	690	692	678
1.0	778	770	721	748	730	720	712	704	697	691	678
0.	780	772	750	750	730	722	715	706	699	692	678

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 100

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	7099	7075	7074	7056	7053	7045	7053	7136	7251	7292	7307	7329	7342	7340
39.0	7124	7114	7114	7093	7093	7089	7085	7181	7298	7355	7340	7353	7365	7361
32.0	7150	7129	7136	7125	7117	7108	7104	7203	7318	7358	7370	7393	7385	7390
30.0	7123	7097	7103	7087	7078	7074	7070	7176	7311	7333	7349	7371	7368	7365
22.0	7143	7111	7116	7102	7092	7079	7073	7177	7311	7352	7372	7410	7447	7477
13.5	7130	7102	7098	7087	7072	7059	7052	7165	7300	7360	7394	7436	7454	7471
8.0	7062	7060	7030	7014	7000	6991	6993	7123	7269	7312	7346	7359	7372	7357
4.0	7136	7106	7102	7092	7075	7064	7056	7180	7333	7391	7422	7456	7461	7455
2.0	7119	7106	7093	7075	7064	7047	7050	7214	7386	7435	7466	7471	7495	7469
1.0	7110	7094	7080	7063	7047	7034	7039	7201	7379	7433	7461	7463	7480	7456
0.5	7128	7111	7099	7085	7072	7055	7061	7222	7405	7466	7506	7520	7531	7511

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	7332	7301	7255	7214	7158	7141	7134	7122	7113	7104	6710	7180	7700
39.0	7368	7345	7272	7226	7181	7164	7156	7158	7150	7146	6800	7213	7700
32.0	7365	7377	7305	7276	7213	7204	7179	7179	7173	7166	6690	7238	8190
30.0	7351	7325	7281	7229	7178	7183	7162	7160	7154	7139	6640	7211	7780
22.0	7429	7401	7364	7299	7217	7214	7182	7182	7170	7162	6680	7245	8130
13.5	7426	7393	7347	7284	7216	7191	7181	7175	7157	7149	6670	7237	7940
8.0	7359	7296	7262	7210	7158	7122	7117	7086	7080	7078	6070	7169	7980
4.0	7428	7436	7385	7323	7255	7218	7200	7183	7165	7147	6700	7252	8070
2.0	7461	7417	7388	7321	7250	7212	7183	7161	7147	7137	6720	7257	8100
1.0	7442	7410	7372	7308	7234	7195	7167	7149	7133	7127	6700	7244	8010
0.5	7484	7458	7408	7346	7262	7222	7189	7173	7157	7147	6720	7275	8090

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	99	61	59	57	56	55	54	62	65	63	54	54	53	55
39.0	61	60	59	57	54	60	58	61	66	555	64	62	55	52
32.0	74	72	61	58	55	58	58	69	72	75	80	78	84	78
30.0	71	77	58	63	60	63	63	65	75	78	85	71	85	79
22.0	70	74	67	67	58	67	69	74	76	82	85	81	555	555
13.5	65	75	65	70	74	65	72	72	74	75	81	63	99	76
8.0	56	119	67	62	58	57	63	555	70	67	76	57	44	51
4.0	70	72	71	75	68	67	74	81	89	80	99	84	110	78
2.0	63	62	66	70	67	61	69	73	61	68	74	71	63	47
1.0	63	62	64	70	65	62	70	67	62	71	68	69	59	51
0.5	65	63	69	81	62	61	68	68	56	69	75	71	68	49

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	50	65	51	58	50	52	64	47	49	58	47	58	99
39.0	555	555	52	61	58	50	50	42	50	60	42	66	66
32.0	92	555	125	140	120	80	49	55	49	62	49	78	140
30.0	94	67	61	77	96	88	60	47	56	64	47	71	96
22.0	555	555	117	106	102	555	66	60	64	62	58	89	117
13.5	80	78	82	72	73	62	58	60	69	64	58	71	99
8.0	72	80	65	69	56	48	115	56	55	55	44	69	119
[illegible].0	115	555	555	116	105	77	70	56	67	62	56	86	116
2.0	90	68	63	67	55	56	55	58	64	61	47	64	90
1.0	83	63	63	70	57	56	54	58	64	63	51	63	83
0.5	89	66	63	69	61	54	58	75	65	66	49	66	89

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEUROLOGICAL OBSERVATIONS

MAXIMUM WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	770	735	738	737	737	735	732	743	760	760	754	760	762	760
39.0	741	740	742	743	742....	740.....	740	750	764	555	765	770	770	766
32.0	745	741	745	744	741	740	741	754	764	768	774	769	770	766
30.0	742	741	741	742	741	742	740	752	765	767	774	763	765	763
22.0	747	742	744	743	740	740	741	760	767	769	776	793	555	555
13.5	744	742	743	742	743	738	741	756	765	769	781	773	788	794
8.0	734	798	738	733	731	730	731	750	760	760	778	770	760	769
4.0	746	743	745	746	744	742	744	762	775	778	793	784	797	776
2.0	743	742	744	743	740	739	741	758	772	785	794	791	785	774
1.0	743	741	742	742	738	737	740	754	770	788	790	790	784	773
0.5	746	743	747	754	740	739	740	756	774	791	795	795	790	779

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	760	760	749	748	740	742	753	737	735	735	770
39.0	555	555	752	753	748	740	740	740	740	740	770
32.0	777	555	819	818	795	770	741	745	741	746	819
30.0	778	758	755	749	766	772	741	740	741	745	778
22.0	555	555	813	793	781		752	748	746	746	813
13.5	793	779	776	759	748	747	747	746	748	748	794
8.0	782	760	760	749	745	736	798	738	735	735	798
4.0	807	555	555	798	786	764	756	749	747	748	807
2.0	810	780	777	770	753	748	745	747	745	744	810
1.0	801	780	775	770	752	747	744	745	744	743	801
0.5	809	788	779	770	760	750	748	764	747	747	809

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	671	674	679	680	681	680	678	681	695	697	700	706	709	705
39.0	680	680	683	686	688	680	682	669	698	700	701	706	715	714
32.0	671	669	684	686	686	682	683	665	692	693	694	691	686	688
30.0	671	664	683	679	681	679	677	687	690	689	689	692	680	684
22.0	677	668	677	676	682	673	672	686	691	687	691	712	701	715
13.5	679	667	678	672	669	673	669	684	691	694	700	710	689	718
8.0	678	679	671	671	673	673	668	555	690	693	702	713	716	718
4.0	676	671	674	671	676	675	670	681	686	698	694	700	687	698
2.0	680	680	678	673	673	678	672	685	711	717	720	720	722	727
1.0	680	679	678	672	673	675	670	687	708	717	722	721	725	722
0.5	681	680	678	673	678	678	672	688	718	722	720	724	722	730

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	710	695	698	690	690	690	689	690	686	677	671
39.0	712	700	700	692	690	690	690	698	690	680	680
32.0	685	693	694	678	675	690	692	690	692	684	669
30.0	684	691	694	672	670	684	681	693	685	681	664
22.0	711	700	696	687	679	688	686	668	682	684	668
13.5	713	701	694	687	675	685	689	686	679	684	667
8.0	710	680	695	680	689	688	683	682	680	680	668
4.0	692	692	698	682	681	687	686	693	680	686	670
2.0	720	712	714	703	698	692	690	689	681	683	672
1.0	718	717	712	700	695	691	690	687	680	680	670
0.5	720	722	716	701	699	696	690	689	682	681	672

NOTE THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF RELATIVE HUMIDITY IN PERCENT X 10

MARCH 1968 ALBRUUK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	176	205	186	211	211	209	238	282	273	269	222	248	270	358
39.0	194	251	230	241	227	227	229	271	294	555	267	286	555	377
32.0	254	259	282	264	268	272	282	320	370	375	241	291	286	402
30.0	256	346	252	255	282	294	273	330	313	270	256	268	285	422
22.0	277	265	274	278	293	278	285	305	379	265	268	271	555	555
13.5	236	267	269	234	263	266	269	289	309	273	314	292	291	486
8.0	250	240	256	244	234	247	257	350	331	236	345	421	302	499
4.0	214	200	220	217	235	220	216	211	320	344	381	374	349	501
2.0	174	123	164	210	190	152	193	180	286	384	379	361	364	491
1.0	141	156	140	127	136	152	161	127	311	345	372	387	378	505
0.5	154	124	127	166	158	131	145	168	311	362	394	406	389	523

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	357	435	379	379	250	327	293	187	140	123	123	259	435
39.0	555	555	472	408	341	246	208	201	255	179	179	300	472
32.0	482	555	506	486	434	332	258	254	284	270	241	333	506
30.0	414	474	496	452	431	365	270	263	238	255	238	323	496
22.0	394	482	513	483	429	356	305	303	294	287	265	347	513
13.5	463	457	477	429	415	352	291	284	262	266	234	323	486
8.0	481	500	515	476	322	318	286	322	252	245	234	330	515
4.0	555	500	491	445	397	332	274	238	237	245	200	322	501
2.0	493	453	423	379	328	245	332	168	192	160	123	264	493
1.0	473	469	472	374	321	242	203	160	164	156	127	269	505
0.5	466	459	441	377	300	226	211	168	160	152	124	271	523

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, • FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF RELATIVE HUMIDITY IN PERCENT X 100

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	8221	8222	8310	8262	8350	8306	8205	7955	7255	6469	6038	5790	5667	5654
39.0	8414	8443	8529	8462	8571	8597	8527	8204	7531	6877	6310	6041	5922	5866
32.0	8479	8485	8567	8554	8585	8630	8650	8174	7263	6557	6116	5808	5647	5705
30.0	8356	8317	8430	8391	8403	8473	8509	7997	7152	6371	6000	5666	5540	5583
22.0	8492	8487	8552	8567	8582	8647	8726	8442	7656	6853	6392	6080	5979	6050
13.5	8603	8661	8739	8763	8797	8826	8906	8594	7633	6806	6355	6019	5878	5992
8.0	8714	8781	8859	8884	8937	9006	9046	8631	7700	6778	6315	6047	5801	5845
4.0	9099	9141	9204	9228	9244	9344	9406	9238	8245	7292	6649	6227	6003	6063
2.0	9241	9328	9383	9364	9434	9486	9534	9369	8486	7433	6825	6459	6227	6237
1.0	9198	9254	9307	9344	9376	9418	9467	9330	8475	7449	6808	6375	6143	6149
0.5	9232	9297	9362	9360	9433	9464	9531	9409	8616	7563	6932	6523	6214	6272

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	5738	5827	6100	6563	7116	7526	7765	7856	7954	8035	4520	7220	9990
39.0	5981	6129	6246	6673	7242	7649	7862	6063	8225	8261	4690	7444	9950
32.0	5701	5936	6105	6617	7198	7605	7858	8016	8198	8324	3820	7365	9990
30.0	5608	5710	5992	6406	7041	7486	7767	7939	8121	8229	4340	7228	9950
22.0	6013	6060	6326	6670	7143	7585	7895	8106	8265	8365	4610	7497	9990
13.5	5981	6041	6259	6636	7184	7597	8080	8321	8472	8543	4550	7570	9990
8.0	5976	5932	6306	6639	7280	7757	8130	8387	8521	8576	4460	7618	9990
4.0	6118	6310	6549	6951	7528	8011	8435	8737	8927	9028	3930	7957	9990
2.0	6326	6389	6750	7112	7859	8333	8616	8934	9070	9150	4670	8140	9990
1.0	6217	6371	6715	7151	7793	8276	8565	8850	8964	9085	4720	8066	9990
0.5	6415	6522	6838	7306	7918	8384	8654	8896	9053	9134	4720	8181	9990

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM RELATIVE HUMIDITY IN PERCENT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	926	931	935	931	939	939	944	926	851	795	702	705	722	827
39.0	972	981	995	991	986	986	954	962	871	555	763	755	555	864
32.0	986	991	999	999	999	999	995	991	880	906	730	754	743	862
30.0	981	981	972	972	981	990	981	981	875	781	734	721	735	871
22.0	999	986	999	995	999	999	999	999	991	825	767	751	555	555
13.5	986	999	990	995	995	990	999	999	936	819	804	762	758	969
8.0	999	981	986	986	990	995	986	991	927	802	827	867	763	955
4.0	999	995	995	999	999	999	999	999	977	938	887	847	823	982
2.0	999	999	999	995	999	999	999	995	999	973	911	867	851	986
1.0	995	999	995	986	995	995	986	991	995	955	915	875	850	995
0.5	999	999	999	999	999	999	999	999	999	995	936	895	875	995

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	831	912	876	910	868	999	964	858	861	870	999
39.0	555	555	945	954	946	917	879	909	976	909	995
32.0	864	555	972	999	999	982	940	940	999	999	999
30.0	848	924	954	950	995	982	936	935	935	963	995
22.0	873	954	996	999	999	999	991	999	999	999	999
13.5	918	942	972	968	946	968	981	981	981	995	999
8.0	956	946	995	963	954	991	991	991	976	976	999
4.0	978	999	999	999	999	999	999	999	995	999	999
2.0	999	968	991	986	991	999	999	999	999	995	999
1.0	965	964	999	982	991	995	991	991	995	995	999
0.5	996	991	991	991	991	995	999	999	999	999	999

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM RELATIVE HUMIDITY IN PERCENT X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	750	726	749	720	728	730	706	644	578	517	480	457	452	469
39.0	778	730	765	750	759	759	725	691	577	546	496	469	491	487
32.0	732	732	717	735	731	727	713	671	510	531	489	463	457	460
30.0	725	635	720	717	699	696	708	651	562	511	478	453	450	449
22.0	722	721	725	717	706	721	714	694	612	560	499	480	461	473
13.5	750	732	721	761	732	724	730	710	627	546	490	470	467	483
8.0	749	741	730	742	756	748	729	641	596	566	482	446	461	456
4.0	785	795	775	782	764	779	783	788	657	594	506	473	474	481
2.0	825	876	835	785	809	847	806	815	711	589	532	506	487	495
1.0	854	843	855	859	859	843	825	864	684	610	543	488	472	490
0.5	845	875	872	833	841	868	854	831	686	633	542	489	486	472

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	474	477	497	531	618	672	671	671	715	747	452
39.0	500	475	473	546	605	671	671	708	721	730	469
32.0	382	458	466	513	565	650	682	686	715	729	382
30.0	434	450	458	498	564	617	666	672	697	708	434
22.0	479	472	433	516	570	643	686	696	705	712	461
13.5	455	485	495	539	531	616	690	697	719	729	455
8.0	475	446	480	487	632	673	705	669	724	731	446
4.0	393	499	508	554	602	667	725	761	758	754	393
2.0	506	515	568	607	663	754	667	831	807	835	487
1.0	492	495	527	608	670	753	788	831	831	839	472
0.5	530	532	550	614	691	769	788	831	839	847	472

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF SATURATION DEFICIT IN MILLIBARS X 10

MARCH 1968 ALBRUCK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	52	53	48	51	48	50	50	63	94	131	156	172	182	183
39.0	47	46	43	43	42	40	42	55	83	114	143	160	169	172
32.0	45	44	41	43	41	40	39	57	96	131	156	176	186	184
30.0	49	50	46	47	46	44	43	63	101	139	162	183	192	190
22.0	44	45	43	42	42	39	37	47	79	115	140	160	169	168
13.5	41	39	36	36	35	33	31	42	80	119	143	166	176	172
8.0	36	35	32	32	30	27	27	40	76	119	143	160	176	174
4.0	25	24	22	21	21	18	16	22	57	97	130	156	170	167
2.0	21	18	16	17	16	13	11	16	49	93	123	145	159	157
1.0	22	20	18	17	16	16	14	19	50	92	124	148	164	162
0.5	21	19	17	18	15	14	12	16	44	87	120	143	163	158

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	177	170	151	125	96	79	69	66	62	59	0	99	250
39.0	164	154	144	113	91	75	65	60	54	52	0	90	230
32.0	181	168	155	126	95	77	67	62	55	50	0	96	280
30.0	187	178	159	133	100	81	70	64	57	54	0	101	260
22.0	167	162	146	124	97	78	66	58	53	49	0	90	250
13.5	169	162	147	124	95	78	60	51	46	43	0	88	250
8.0	165	164	143	120	90	70	56	47	43	42	0	85	250
4.0	161	151	135	111	83	63	47	37	31	28	0	74	270
2.0	150	144	125	102	69	51	41	31	26	24	0	67	240
1.0	156	145	125	101	72	53	42	32	30	26	0	69	250
0.5	147	140	121	96	67	49	40	32	27	25	0	66	260

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, + FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM SATURATION DEFICIT IN MILLIBARS X 1

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	8	9	8	9	8	9	9	12	15	19	22	24	24	25
39.0	7	8	8	8	7	7	8	10	15	17	21	23	23	22
32.0	9	9	10	9	9	9	10	12	19	19	22	24	25	25
30.0	9	11	9	10	10	10	10	13	17	21	23	25	26	26
22.0	10	10	9	10	10	10	10	11	15	16	21	23	24	25
13.5	8	9	9	8	9	9	9	10	14	19	22	25	25	25
8.0	8	8	9	8	8	8	9	9	14	17	23	25	24	25
4.0	7	7	7	7	8	7	7	7	12	16	21	24	25	25
2.0	5	4	5	7	6	5	6	6	10	16	21	23	24	23
1.0	4	5	4	4	4	5	5	4	12	16	21	22	25	23
0.5	5	4	4	5	5	4	4	5	12	15	21	24	25	26

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	23	23	20	18	13	11	10	10	9	9	25
39.0	21	22	22	17	13	11	10	9	8	8	23
32.0	28	24	23	20	16	13	10	10	10	9	28
30.0	26	24	23	20	16	14	11	11	11	10	26
22.0	23	23	22	18	15	13	11	10	10	10	25
13.5	25	22	21	19	16	14	10	11	10	9	25
8.0	23	23	21	19	13	11	10	10	9	9	25
4.0	27	21	21	17	14	12	9	8	8	8	27
2.0	22	21	17	15	11	8	11	5	6	5	24
1.0	22	22	19	14	11	8	7	5	5	5	25
0.5	20	21	18	14	11	7	7	5	5	5	26

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF VAPOR PRESSURE IN MILLIBARS X 100

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	2418	2406	2414	2395	2401	2392	2395	2431	2462	2412	2370	2360	2352	2347
39.0	2467	2462	2468	2448	2454	2454	2445	2497	2534	2520	2430	2412	2404	2393
32.0	2495	2478	2490	2480	2476	2473	2471	2513	2523	2481	2438	2418	2389	2398
30.0	2461	2435	2450	2434	2427	2430	2431	2472	2505	2437	2404	2378	2359	2359
22.0	2490	2463	2473	2463	2455	2451	2452	2516	2559	2512	2475	2469	2494	2520
13.5	2489	2471	2474	2468	2458	2450	2451	2520	2546	2513	2490	2485	2484	2509
8.0	2440	2433	2427	2416	2410	2408	2414	2489	2525	2462	2440	2410	2395	2385
4.0	2538	2516	2518	2513	2499	2499	2499	2590	2637	2595	2550	2528	2504	2503
2.0	2536	2532	2526	2512	2506	2497	2504	2631	2707	2650	2612	2569	2564	2537
1.0	2522	2513	2506	2495	2486	2478	2485	2614	2696	2648	2605	2554	2538	2515
0.5	2542	2533	2530	2511	2516	2502	2513	2643	2738	2694	2661	2624	2594	2581

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	2353	2337	2332	2354	2368	2395	2414	2413	2415	2415	1910	2389	2970
39.0	2419	2415	2364	2377	2402	2428	2445	2463	2472	2472	1950	2443	2910
32.0	2377	2420	2377	2416	2426	2460	2461	2477	2489	2493	1720	2455	3690
30.0	2352	2342	2340	2347	2377	2429	2438	2453	2465	2463	1890	2416	3150
22.0	2478	2460	2461	2442	2424	2457	2469	2489	2493	2495	1910	2477	3730
13.5	2468	2447	2434	2423	2426	2447	2485	2503	2500	2500	1840	2476	3300
8.0	2406	2346	2358	2359	2385	2403	2422	2431	2439	2441	1790	2418	3220
4.0	2487	2523	2503	2495	2496	2511	2536	2548	2549	2541	2020	2528	3550
2.0	2543	2512	2527	2507	2523	2535	2536	2546	2546	2543	2110	2550	3610
1.0	2508	2501	2510	2501	2503	2516	2517	2528	2524	2530	2100	2533	3470
0.5	2577	2565	2556	2552	2540	2548	2544	2545	2553	2550	2180	2571	3590

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF WIND SPEED IN M.P.H. X 100

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	600	586	551	603	602	591	564	546	622	722	847	888	944	1021
39.0	500	479	473	499	504	482	475	452	554	603	714	789	817	888
13.5	102'	108'	109'	120'	109'	93'	100'	111'	151'	143'	149'	164'	180'	183'
8.0	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'
2.0	70'	555'	86'	110'	70'	555'	110'	555'	620'	555'	70'	555'	555'	555'

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	969	1038	979	854	781	661	593	531	585	590	70	719	2560
39.0	815	895	837	718	658	540	502	458	493	495	70	610	2430
13.5	169	160	167	136*	136*	136*	116*	104'	120'	104'	70	132	920
8.0	555'	555'	555	555'	555'	555'	555'	555'	555'	555'	555	555	555
2.0	555'	555'	555'	555'	555'	80'	70'	70'	70'	70'	70	124	620

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM WIND SPEED IN M.P.H. X 10

MARCH 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	111	131	106	176	132	112	133	129	161	181	222	256	220	233
39.0	104	122	98	116	120	98	106	116	131	154	200	243	212	218
13.5	18'	18'	19'	23'	20'	14'	21'	24'	50'	30'	56'	41'	60'	56'
8.0	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'	555'
2.0	7'	555'	12'	11'	7'	555'	11'	555'	62'	555'	7'	555'	555'	555'

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	207	238	237	154	152	147	140	115	146	111	256
39.0	179	237	201	148	186	123	117	111	142	104	243
13.5	48	42	92	31*	24*	27*	40*	20'	22'	23'	92
8.0	555'	555'	555	555'	555'	555'	555'	555'	555'	555'	555
2.0	555'	555'	555'	555'	555'	8'	7'	7'	7'	7'	62

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION AIRBROOK FOREST SITE
46.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	0	0	63	0	0	63	63	0	63	0	63	0	125	63
NNE (12- 33)	0	13	0	13	0	0	26	13	53	145	92	118	171	79
NE (34- 56)	0	0	9	0	0	9	19	28	37	139	167	65	111	139
ENE (57- 78)	0	10	10	0	0	0	0	21	52	82	144	144	72	113
E (79-101)	0	13	0	38	0	0	0	25	13	76	127	89	38	63
ESE (102-123)	13	25	0	13	13	13	0	13	63	38	101	69	114	51
SE (124-146)	0	13	0	53	0	27	27	13	80	93	120	53	107	27
SSE (147-168)	13	13	0	27	0	13	0	13	80	27	50	133	67	93
S (169-191)	0	0	14	0	43	0	14	29	43	58	116	72	29	87
SSW (192-213)	0	11	11	11	11	11	34	22	22	67	67	90	67	45
SW (214-236)	30	15	15	30	60	45	60	15	60	75	15	60	45	60
WSW (237-258)	33	33	22	33	11	22	11	22	77	66	55	33	55	66
W (259-281)	35	57	28	28	35	28	28	35	35	43	21	50	50	85
WNW (282-303)	48	61	73	61	43	61	52	63	43	22	23	22	34	22
NW (304-326)	70	60	57	56	73	39	62	53	34	18	10	16	15	23
NNW (327-348)	47	37	50	47	47	52	47	37	34	23	10	21	23	21

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	63	63	0	0	63	0	188	125	0	0
NNE (12- 33)	105	53	93	26	39	0	0	0	0	0
NE (34- 56)	74	111	56	0	26	0	0	0	9	0
ENE (57- 78)	72	72	93	52	10	31	10	0	10	0
E (79-101)	139	139	76	89	51	13	0	13	0	0
ESE (102-123)	63	63	101	127	76	0	13	0	13	0
SE (124-146)	53	93	93	40	13	40	27	13	0	13
SSE (147-168)	133	40	67	27	93	40	27	0	13	0
S (169-191)	72	130	72	72	43	14	29	29	14	14
SSW (192-213)	90	124	101	101	22	45	0	0	45	0
SW (214-236)	30	30	60	134	30	45	15	15	15	45
WSW (237-258)	143	44	77	22	66	33	11	33	22	11
W (259-281)	64	71	50	57	92	35	0	28	28	14
WNW (282-303)	27	34	23	38	23	43	59	34	43	56
NW (304-326)	18	15	16	23	38	51	51	96	58	62
NNW (327-348)	5	13	39	52	60	70	70	94	57	42

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
39.0 METERS

DIRECTION		0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N	(349- 11)	0	263	0	0	53	53	211	53	0	0	0	0	0	0
NNE	(12- 33)	21	0	0	0	0	0	21	21	64	128	106	106	128	85
NE	(34- 56)	0	7	0	37	0	7	22	7	37	90	142	112	127	127
ENE	(57- 78)	0	27	16	0	9	9	27	45	90	126	153	72	54	45
E	(79-101)	0	0	12	0	12	0	12	12	47	58	116	81	93	128
ESE	(102-123)	12	0	35	0	0	12	12	23	58	81	93	81	81	47
SE	(124-146)	9	9	0	19	0	19	19	9	28	28	102	93	102	65
SSE	(147-168)	0	15	0	30	30	15	0	0	75	45	60	104	60	75
S	(169-191)	14	14	0	14	14	0	28	14	42	56	70	70	42	85
SSW	(192-213)	0	24	12	12	12	47	12	47	59	71	59	35	82	59
SW	(214-236)	10	20	30	20	50	10	10	40	50	70	60	50	20	60
WSW	(237-258)	43	11	11	11	43	0	43	22	54	43	11	86	32	86
W	(259-281)	25	44	32	51	32	38	25	38	44	32	19	63	51	44
WNW	(282-303)	51	69	69	59	45	63	65	57	32	28	14	16	28	12
NW	(304-326)	75	64	56	61	73	58	60	52	33	18	19	20	20	19
NNW	(327-348)	43	20	60	51	43	63	51	51	43	28	11	11	28	46

DIRECTION		1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N	(349- 11)	0	0	105	0	53	0	53	105	53	0
NNE	(12- 33)	126	64	43	21	43	0	0	0	0	21
NE	(34- 56)	82	82	67	30	15	0	0	0	7	0
ENE	(57- 78)	36	63	54	63	63	27	9	0	9	0
E	(79-101)	70	105	128	58	58	12	0	0	0	0
ESE	(102-123)	105	105	93	47	23	23	12	12	12	35
SE	(124-146)	74	139	102	83	56	19	19	0	9	0
SSE	(147-168)	149	60	75	90	75	30	15	0	0	0
S	(169-191)	113	70	56	113	0	70	70	14	14	14
SSW	(192-213)	59	106	82	59	35	47	24	24	35	0
SW	(214-236)	90	100	50	60	80	20	20	40	10	30
WSW	(237-258)	86	75	65	129	43	43	11	22	32	0
W	(259-281)	51	38	32	44	76	63	38	38	51	32
WNW	(282-303)	54	24	26	30	32	51	61	38	40	55
NW	(304-326)	12	17	15	17	31	42	51	64	61	60
NNW	(327-348)	11	6	31	46	63	74	63	71	54	51

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALMROOK FOREST SITE
13.5 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	12	0	12	12	35	0	0	23	70	47	35	35	81	70
NNE (12- 33)	0	27	27	0	27	0	0	0	54	135	27	54	0	135
NE (34- 56)	0	0	0	0	0	0	0	18	89	107	143	125	54	71
ENE (57- 78)	0	0	0	0	0	0	19	0	56	74	93	185	37	130
E (79-101)	0	12	0	0	0	0	0	12	0	86	86	74	185	49
ESE (102-123)	12	0	12	12	12	0	0	12	24	107	143	143	83	83
SE (124-146)	40	20	20	10	10	0	0	10	20	89	119	50	99	109
SSE (147-168)	21	21	21	21	10	31	0	21	52	63	104	42	63	63
S (169-191)	10	10	0	29	19	29	10	19	49	78	19	87	68	117
SSW (192-213)	60	20	60	13	20	40	54	27	60	40	54	87	27	60
SW (214-236)	23	42	46	34	42	19	31	54	60	42	50	31	27	50
WSW (237-258)	60	42	51	45	54	42	65	60	27	36	12	33	21	27
W (259-281)	59	50	59	50	50	65	74	56	41	27	23	20	34	18
WNW (282-303)	56	66	61	64	69	69	56	63	36	12	13	15	28	18
NW (304-326)	37	60	43	80	43	60	50	37	23	20	33	23	30	33
NNW (327-348)	49	65	24	41	49	33	16	0	41	33	65	41	65	16

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	93	93	81	105	12	93	35	23	35	0
NNE (12- 33)	27	81	108	162	81	54	0	0	0	0
NE (34- 56)	125	54	89	71	36	0	0	18	0	0
ENE (57- 78)	74	93	111	56	37	19	19	0	0	0
E (79-101)	185	148	62	49	25	12	0	12	0	0
ESE (102-123)	83	83	60	60	36	12	12	0	12	0
SE (124-146)	50	69	109	40	69	30	20	0	10	10
SSE (147-168)	94	104	31	52	63	42	31	31	21	0
S (169-191)	78	49	58	87	29	29	68	19	19	19
SSW (192-213)	34	67	54	54	27	67	34	20	7	13
SW (214-236)	34	38	57	15	54	57	54	54	34	31
WSW (237-258)	33	36	45	39	39	54	39	57	39	51
W (259-281)	23	18	27	29	41	27	50	43	61	59
WNW (282-303)	18	15	13	28	38	33	40	60	60	68
NW (304-326)	37	27	30	33	43	60	57	47	50	40
NNW (327-348)	24	57	16	49	73	65	65	49	41	24

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBRUCK FOREST SITE
8.0 METERS

DIRECTION		0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N	(349- 11)	67	67	0	0	133	0	0	67	133	133	0	0	0	0
NNE	(12- 33)	0	0	0	0	0	0	0	0	0	333	0	0	0	0
NE	(34- 56)	38	38	38	0	0	0	0	77	154	77	38	77	38	38
ENE	(57- 78)	0	21	0	21	0	21	64	21	64	149	128	85	64	43
E	(79-101)	43	0	0	26	26	0	26	0	52	34	86	86	121	86
ESE	(102-123)	46	15	23	8	8	8	8	15	31	62	62	108	100	108
SE	(124-146)	0	9	0	9	19	19	0	0	28	103	93	75	75	140
SSE	(147-168)	20	10	0	20	30	0	0	10	50	89	109	119	109	50
S	(169-191)	21	21	35	0	14	21	14	14	63	49	111	49	49	97
SSW	(192-213)	13	26	39	20	20	39	20	26	46	39	33	52	52	65
SW	(214-236)	32	28	32	32	32	28	24	36	56	64	32	44	48	36
WSW	(237-256)	34	27	34	37	30	30	64	64	51	24	41	47	17	41
W	(257-281)	47	59	51	47	38	45	47	57	45	36	28	19	36	34
WNW	(282-303)	67	67	69	47	73	67	61	53	22	14	17	25	23	16
NW	(304-326)	37	57	60	117	66	63	63	48	28	26	31	9	17	17
NNW	(327-348)	78	31	16	16	47	31	63	47	63	16	0	31	63	0

DIRECTION		1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N	(349- 11)	67	0	67	0	0	67	133	67	0	0
NNE	(12- 33)	0	0	0	667	0	0	0	0	0	0
NE	(34- 56)	38	115	154	0	0	38	0	0	0	38
ENE	(57- 78)	85	64	85	21	0	0	21	21	21	0
E	(79-101)	103	78	86	86	26	0	9	9	0	0
ESE	(102-123)	54	115	77	69	38	15	8	15	0	8
SE	(124-146)	131	65	56	47	75	9	19	19	9	0
SSE	(147-168)	59	119	20	20	59	30	30	20	10	20
S	(169-191)	63	83	76	63	35	42	49	28	7	0
SSW	(192-213)	92	59	52	39	92	65	39	26	20	26
SW	(214-236)	60	60	60	68	60	52	48	32	16	20
WSW	(237-256)	37	34	44	41	44	51	41	61	57	41
W	(257-281)	32	19	35	49	40	51	49	47	45	42
WNW	(282-303)	19	23	19	30	28	26	42	48	67	78
NW	(304-326)	9	14	14	11	37	31	57	54	54	40
NNW	(327-348)	0	0	31	16	63	156	47	75	63	47

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
200 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	105	0	0	0	105	0	53	0	105	105	0	105	105	53
NNE (12- 33)	0	0	37	37	37	0	37	37	74	148	0	74	37	74
NE (34- 56)	41	0	20	0	0	0	0	42	41	143	61	82	41	82
ENE (57- 78)	14	14	0	29	0	0	0	14	29	100	157	86	100	129
E (79-101)	37	0	24	12	0	12	73	37	37	24	98	85	37	73
ESE (102-123)	0	19	0	5	0	9	19	0	47	75	123	104	142	94
SE (124-146)	8	23	8	15	30	15	8	8	53	68	105	90	98	90
SSE (147-168)	0	26	26	0	9	43	17	0	43	96	61	70	35	113
S (169-191)	23	0	15	0	15	15	0	15	69	84	84	53	46	53
SSW (192-213)	25	12	19	31	12	31	19	12	43	43	37	56	37	56
SW (214-236)	30	30	26	35	30	13	17	26	74	65	35	65	56	61
WSW (237-258)	46	55	55	44	37	51	66	51	33	33	35	26	33	20
W (259-281)	50	46	62	55	71	66	50	57	34	16	20	18	25	21
WNW (282-303)	71	69	67	65	71	63	75	77	23	13	11	11	15	19
NW (304-326)	31	82	31	92	51	41	36	26	61	10	31	31	56	26
NNW (327-348)	69	34	69	34	17	69	0	0	34	0	34	52	69	17

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	105	0	53	53	0	0	0	0	53	0
NNE (12- 33)	74	37	111	0	0	37	74	74	0	0
NE (34- 56)	61	61	122	122	20	0	0	20	0	0
ENE (57- 78)	100	86	43	71	0	0	14	0	14	0
E (79-101)	61	110	122	61	37	37	12	12	0	0
ESE (102-123)	38	85	66	65	38	0	28	0	0	0
SE (124-146)	105	126	23	30	75	8	0	15	0	0
SSE (147-168)	113	70	61	43	61	17	43	17	0	17
S (169-191)	92	61	61	46	92	46	38	53	23	15
SSW (192-213)	111	49	68	68	62	56	68	12	19	25
SW (214-236)	30	43	61	39	56	87	39	30	35	17
WSW (237-258)	26	33	40	59	33	37	44	62	48	31
W (259-281)	25	21	27	33	41	34	55	48	57	70
WNW (282-303)	4	21	15	15	34	42	46	50	56	65
NW (304-326)	36	31	26	20	26	66	31	46	66	51
NNW (327-348)	34	17	34	52	34	103	34	60	52	52

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
46.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	0	0	0	0	0	8	8	0	8	0	8	0	16	8
NNE (12- 33)	0	8	0	0	0	0	16	8	33	95	57	75	105	48
NE (34- 56)	0	0	8	0	0	8	16	25	33	129	148	58	97	121
ENE (57- 78)	0	8	8	0	0	0	0	16	41	69	115	117	56	89
E (79-101)	0	8	0	24	0	0	0	16	8	52	82	58	24	40
ESE (102-123)	8	16	0	8	8	8	0	8	41	26	66	58	73	32
SE (124-146)	0	8	0	32	0	16	16	8	50	60	74	33	65	16
SSE (147-168)	8	8	0	16	0	8	0	8	50	17	49	83	40	56
S (169-191)	0	0	8	0	24	0	8	16	25	34	66	42	16	48
SSW (192-213)	0	8	8	8	8	8	24	16	17	52	49	67	48	32
SW (214-236)	17	8	8	16	32	24	32	8	33	43	8	33	24	32
WSW (237-258)	25	24	16	24	8	16	8	16	58	52	41	25	40	48
W (259-281)	41	65	32	32	40	32	32	41	41	52	25	58	56	97
WNW (282-303)	223	276	331	274	194	274	234	287	198	103	107	100	153	97
NW (304-326)	529	447	416	411	540	435	460	416	256	138	74	125	113	169
NNW (327-348)	147	114	153	145	145	161	145	115	107	76	33	67	73	65

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	8	8	0	0	8	0	25	17	0	0	0	5	25
NNE (12- 33)	65	32	33	17	24	0	0	0	0	0	0	26	105
NE (34- 56)	65	97	50	0	24	0	0	0	9	0	0	37	148
ENE (57- 78)	56	55	74	42	8	24	8	0	9	0	0	33	117
E (79-101)	89	89	50	58	33	8	0	8	0	0	0	27	89
ESE (102-123)	40	40	66	83	49	0	8	0	9	0	0	27	83
SE (124-146)	32	56	58	25	8	24	17	8	0	9	0	26	74
SSE (147-168)	81	24	41	17	57	24	17	0	9	0	0	26	83
S (169-191)	40	73	41	42	24	8	17	17	9	9	0	24	73
SSW (192-213)	65	89	74	75	16	32	0	0	35	0	0	30	89
SW (214-236)	16	16	33	75	16	24	8	8	9	27	8	23	75
WSW (237-258)	105	32	58	17	49	24	8	25	17	9	8	31	105
W (259-281)	73	81	58	67	106	40	0	33	35	18	0	48	106
WNW (282-303)	121	153	107	142	106	194	275	158	209	277	97	191	331
NW (304-326)	129	113	132	175	265	379	332	425	461	509	74	314	540
NNW (327-348)	16	40	124	167	167	218	225	300	191	143	16	132	300

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
39.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	0	41	0	0	8	8	32	8	0	0	0	0	0	0
NNE (12- 33)	8	0	0	0	0	0	8	8	25	52	41	42	48	32
NE (34- 56)	0	8	0	40	0	8	24	8	41	103	156	125	137	137
ENE (57- 78)	0	24	16	0	8	8	24	41	83	121	139	67	48	40
E (79-101)	0	0	8	0	8	0	8	8	33	43	82	58	65	89
ESE (102-123)	8	0	24	0	0	8	8	16	41	60	66	58	56	32
SE (124-146)	8	8	0	16	0	16	16	8	25	26	90	83	89	56
SSE (147-168)	0	8	0	16	16	8	0	0	41	26	33	58	32	40
S (169-191)	8	8	0	8	8	0	16	8	25	34	41	42	24	48
SSW (192-213)	0	16	8	8	8	32	8	33	41	52	41	25	56	40
SW (214-236)	8	16	24	16	40	8	8	33	41	60	49	42	16	48
WSW (237-258)	33	8	8	8	32	0	32	16	41	34	8	67	24	65
W (259-281)	33	57	40	65	40	48	32	49	58	43	25	83	65	56
WNW (282-303)	207	276	274	234	177	250	258	230	132	121	57	67	113	48
NW (304-326)	562	472	427	444	532	427	435	385	248	138	139	150	145	137
NNW (327-348)	124	57	169	145	121	177	89	148	124	86	33	33	81	129

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	0	0	17	0	8	0	8	17	9	0	0	7	41
NNE (12- 33)	48	24	17	8	16	0	0	0	0	9	0	16	52
NE (34- 56)	89	89	74	33	16	0	0	0	9	0	0	46	156
ENE (57- 78)	32	56	50	58	57	24	8	0	9	0	0	38	139
E (79-101)	48	73	91	42	41	8	0	0	0	0	0	29	91
ESE (102-123)	73	73	66	33	16	16	8	8	9	27	0	29	73
SE (124-146)	65	121	91	75	49	16	17	0	9	0	0	37	121
SSE (147-168)	81	32	41	50	41	16	8	0	0	0	0	23	81
S (169-191)	65	40	33	67	0	40	42	8	9	9	0	24	67
SSW (192-213)	40	73	58	42	24	32	17	17	26	0	0	29	73
SW (214-236)	73	81	41	50	65	16	17	33	9	27	8	34	81
WSW (237-258)	65	56	50	100	33	32	8	17	26	0	0	32	100
W (259-281)	65	48	41	58	98	81	50	50	70	45	25	54	98
WNW (282-303)	137	97	107	125	130	202	250	158	174	241	48	169	276
NW (304-326)	89	121	132	125	228	306	363	483	478	482	89	311	562
NNW (327-348)	32	16	91	133	179	210	183	208	165	161	16	121	210

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
13.5 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	8	0	8	8	24	0	0	16	50	34	25	25	56	48
NNE (12- 33)	0	8	8	0	8	0	0	0	17	43	8	17	0	40
NE (34- 56)	0	0	0	0	0	0	0	8	41	52	66	58	24	32
ENE (57- 78)	0	0	0	0	0	0	8	0	25	34	41	83	16	56
E (79-101)	0	8	0	0	0	0	0	8	0	60	56	50	121	32
ESE (102-123)	8	0	8	8	8	0	0	8	17	78	99	100	56	56
SE (124-146)	33	16	16	8	8	0	0	8	17	78	99	42	81	89
SSE (147-168)	17	16	16	16	8	24	0	16	41	52	83	33	48	48
S (169-191)	8	8	0	24	16	24	8	16	41	69	17	75	56	97
SSW (192-213)	74	24	73	16	24	48	65	33	74	52	66	108	32	73
SW (214-236)	50	89	97	73	89	40	65	115	174	95	107	67	56	105
WSW (237-258)	165	114	137	121	145	113	177	164	74	103	33	92	56	73
W (259-281)	215	179	210	177	177	234	266	205	149	103	83	75	121	65
WNW (282-303)	281	325	298	315	339	339	274	311	182	60	66	75	137	89
NW (304-326)	91	146	105	194	105	145	121	90	58	52	83	58	73	81
NNW (327-348)	50	65	24	40	48	32	16	0	41	34	66	42	65	16

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	65	65	58	75	8	65	25	17	26	0	0	29	75
NNE (12- 33)	8	24	33	50	24	16	0	0	0	0	0	13	50
NE (34- 56)	56	24	41	33	16	0	0	8	0	0	0	19	66
ENE (57- 78)	32	40	50	25	16	8	8	0	0	0	0	18	83
E (79-101)	121	97	41	33	16	8	0	8	0	0	0	28	121
ESE (102-123)	56	56	41	42	24	8	8	0	9	0	0	29	100
SE (124-146)	40	56	91	33	57	24	17	0	9	9	0	35	99
SSE (147-168)	73	81	25	42	49	32	25	25	17	0	0	33	83
S (169-191)	65	40	50	75	24	24	58	17	17	18	0	35	97
SSW (192-213)	40	81	66	67	33	81	42	25	9	18	9	51	108
SW (214-236)	73	81	124	33	114	121	117	117	78	71	33	90	174
WSW (237-258)	89	97	124	108	106	145	108	158	113	152	33	115	177
W (259-281)	81	65	99	108	146	97	183	158	235	232	65	153	266
WNW (282-303)	89	73	66	142	187	161	200	300	313	366	60	208	366
NW (304-326)	89	65	74	83	106	145	142	117	130	107	52	103	194
NNW (327-348)	24	56	17	50	73	65	67	50	43	27	0	42	73

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
8.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	8	8	0	0	16	0	0	8	17	17	0	0	0	0
NNE (12- 33)	0	0	0	0	0	0	0	0	0	9	0	0	0	0
NE (34- 56)	8	8	8	0	0	0	0	16	33	17	8	17	8	8
ENE (57- 78)	0	8	0	8	0	8	24	8	25	60	49	33	24	16
E (79-101)	41	8	8	24	24	0	24	0	50	34	82	83	113	81
ESE (102-123)	50	16	24	8	8	8	8	16	33	69	66	117	105	113
SE (124-146)	0	8	0	8	16	16	0	0	25	95	82	67	65	121
SSE (147-168)	17	8	0	16	24	0	0	8	41	78	90	100	89	40
S (169-191)	25	24	40	0	16	24	16	16	74	60	131	56	56	113
SSW (192-213)	17	33	48	24	24	48	24	33	58	52	41	67	65	81
SW (214-236)	66	57	65	65	65	56	48	74	116	138	66	92	97	73
WSW (237-258)	83	65	81	89	73	73	153	156	124	60	98	117	40	97
W (259-281)	182	228	194	177	145	169	177	221	174	147	107	75	137	129
WNW (282-303)	355	350	355	242	379	347	315	279	116	78	90	133	121	81
NW (304-326)	107	163	169	331	185	234	177	139	83	78	90	25	48	48
NNW (327-348)	41	16	8	8	24	16	32	25	33	9	0	17	32	0

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	8	0	8	0	0	8	17	8	0	0	0	5	17
NNE (12- 33)	0	0	0	17	0	0	0	0	0	0	0	1	17
NE (34- 56)	8	24	33	0	0	8	0	0	0	9	0	9	33
ENE (57- 78)	32	24	33	8	0	0	8	8	9	0	0	16	60
E (79-101)	97	73	83	83	24	0	8	8	0	0	0	40	113
ESE (102-123)	56	121	83	75	41	16	8	17	0	9	0	44	121
SE (124-146)	113	56	50	42	65	8	17	17	9	0	0	37	121
SSE (147-168)	48	97	17	17	49	24	25	17	9	18	0	35	100
S (169-191)	73	97	91	75	41	48	58	33	9	0	0	49	131
SSW (192-213)	113	73	66	50	114	81	50	33	26	36	17	52	114
SW (214-236)	121	121	124	142	122	105	100	67	35	45	35	86	142
WSW (237-258)	89	81	107	100	106	145	100	150	148	107	40	102	156
W (259-281)	121	73	149	192	154	194	192	183	183	179	73	162	228
WNW (282-303)	97	121	99	156	146	137	225	258	374	446	78	221	446
NW (304-326)	24	40	41	33	106	145	167	158	165	125	24	120	331
NNW (327-348)	0	0	17	8	33	81	25	42	35	27	0	22	81

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MARCH 1963 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALERDOK FOREST SITE
2.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	17	0	0	0	16	0	8	0	17	17	0	17	16	8
NNE (12- 33)	0	0	8	8	8	0	8	8	17	34	0	17	8	16
NE (34- 56)	17	0	8	0	0	0	0	33	17	60	25	33	16	32
ENE (57- 78)	8	8	0	16	0	0	0	8	17	60	90	50	56	73
E (79-101)	25	0	16	8	0	8	40	25	25	17	66	58	24	48
ESE (102-123)	8	16	0	0	0	8	16	8	41	69	107	92	121	81
SE (124-146)	8	24	8	16	32	16	8	0	58	78	115	100	105	97
SSE (147-168)	8	24	24	0	8	40	16	8	41	95	57	67	32	105
S (169-191)	25	0	16	0	16	16	0	16	74	95	90	58	48	56
SSW (192-213)	33	16	24	40	16	40	24	16	58	60	49	75	48	73
SW (214-236)	58	57	48	65	56	24	32	49	140	129	66	125	105	113
WSW (237-258)	174	203	202	161	137	185	242	189	124	129	131	100	121	73
W (259-281)	231	211	282	250	323	298	226	262	157	78	90	83	113	97
WNW (282-303)	306	293	282	274	298	266	315	328	99	60	49	50	65	81
NW (304-326)	50	130	45	145	81	65	56	41	99	17	49	50	89	40
NNW (327-348)	33	16	32	16	8	32	0	0	17	0	16	25	32	8

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	16	0	8	8	0	0	0	0	9	0	0	7	17
NNE (12- 33)	16	8	25	0	0	8	17	17	0	0	0	9	34
NE (34- 56)	24	24	50	50	8	0	0	8	0	0	0	17	60
ENE (57- 78)	56	48	25	42	0	0	8	0	9	0	0	24	90
E (79-101)	40	73	83	42	24	24	8	8	0	0	0	28	83
ESE (102-123)	32	73	58	75	33	0	25	8	0	0	0	36	121
SE (124-146)	113	137	25	33	81	8	0	17	0	0	0	45	137
SSE (147-168)	105	65	58	42	57	16	42	17	0	18	0	39	105
S (169-191)	97	65	66	50	98	48	42	58	26	18	0	45	98
SSW (192-213)	145	65	91	92	81	113	92	17	26	36	16	55	145
SW (214-236)	56	81	116	75	106	161	75	58	70	36	24	79	161
WSW (237-258)	97	121	149	225	122	137	167	233	191	125	73	156	242
W (259-281)	113	97	124	142	187	153	258	225	278	348	78	193	348
WNW (282-303)	16	89	66	67	146	177	200	217	252	304	16	179	328
NW (304-326)	56	48	41	33	41	105	50	75	113	89	17	67	145
NNW (327-348)	16	8	17	25	16	48	17	42	26	27	0	20	48

No Radiation Data This Period

No Rainfall or Evaporation Data This Period

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 100

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	7522*	7462*	7430*	7357*	7370*	7363*	7411*	7660*	8071*	8268*	8402*	8494*	8561*	8556*
39.0	7486*	7438*	7398*	7338*	7343*	7335*	7386*	7679*	8052*	8268*	8373*	8477*	8532*	8526*
32.0	7451	7411	7390	7375	7329	7315	7369	7688	8072	8314	8401	8535	8583	8513
30.0	7431	7389	7369	7352	7272	7282	7376	7751	8121	8373	8430	8574	8597	8552
22.0	7369	7340	7300	7291	7229	7256	7310	7562	7944	8235	8316	8461	8567	8476
13.5	7332	7294	7262	7262	7185	7168	7207	7497	7961	8274	8385	8547	8570	8490
8.0	7309*	7281*	7222*	7131*	7103*	7122*	7166*	7514*	7972*	8258*	8409*	8470*	8551*	8503*
4.0	7229	7196	7198	7168	7107	7106	7138	7360	7632	8195	8361	8511	8561	8451
2.0	7275*	7243*	7173*	7102*	7074*	7098*	7144*	7470*	7920*	8205*	8390*	8477*	8541*	8496*
1.0	7283*	7251*	7166*	7109*	7086*	7111*	7147*	7478*	7908*	8190*	8406*	8478*	8551*	8491*
0.5	7293*	7259*	7188*	7112*	7089*	7112*	7174*	7470*	7894*	8179*	8403*	8505*	8554*	8501*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	8465*	8335*	8304*	8111*	7890	7740*	7660	7629*	7560*	7508*	6890	7881	9170
39.0	8453*	8343*	8298*	8111*	7883	7728*	7652	7615*	7546*	7509*	6750	7865	9130
32.0	8535	8450	8332	8169	7944	7764	7672	7596	7542	7499	6560	7888	9170
30.0	8496	8469	8411	8199	7910	7747	7625	7579	7489	7458	6500	7883	9200
22.0	8522	8470	8381	8202	7923	7723	7631	7576	7500	7419	6450	7833	9220
13.5	8499	8463	8385	8188	7924	7747	7596	7531	7462	7380	6360	7817	9120
8.0	8439*	8324*	8293*	8084*	7850	7674*	7552	7474*	7381*	7358*	6330	7768	9150
4.0	8426	8415	8337	8123	7856	7641	7522	7440	7356	7297	6440	7742	9100
2.0	8427*	8318*	8308*	8063*	7788	7629*	7513	7451*	7334*	7276*	6340	7738	9130
1.0	8355*	8315*	8265*	8039*	7776	7621*	7509	7452*	7339*	7283*	6350	7734	9190
0.5	8417*	8324*	8271*	8042*	7775	7617*	7514	7459*	7347*	7290*	6370	7741	9260

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	65*	68*	67*	89*	69*	90*	94*	88*	81*	105*	97*	132*	118*	100*
39.0	71*	79*	75*	88*	97*	104*	110*	96*	114*	108*	90*	123*	105*	102*
32.0	106	116	112	119	185	130	125	135	164	219	128	133	243	211
30.0	122	123	116	130	115	138	125	132	142	118	195	135	221	225
22.0	115	121	119	118	135	555	555	555	190	201	230	236	125	259
13.5	113	116	119	114	126	143	139	131	173	156	121	124	226	555
8.0	102*	111*	114*	118*	110*	136*	132*	130*	124*	108*	100*	130*	117*	103*
4.0	117	115	110	104	110	122	127	134	166	169	212	226	213	221
2.0	99*	101*	106*	107*	99*	121*	123*	126*	127*	107*	121*	133*	119*	111*
1.0	93*	101*	103*	109*	98*	123*	122*	124*	122*	104*	111*	147*	128*	103*
0.5	92*	99*	106*	110*	96*	121*	158*	123*	122*	110*	174*	156*	123*	110*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	92*	117*	98*	92*	101	87*	76	71*	71*	71*	65	90	132
39.0	90*	108*	97*	91*	101	88*	73	74*	71*	70*	70	92	123
32.0	214	138	196	202	104	95	94	111	113	105	94	145	243
30.0	234	195	138	194	155	129	128	122	134	124	115	149	234
22.0	264	185	225	113	153	555	220	145	110	108	108	183	264
13.5	229	134	204	200	150	110	137	134	107	137	107	151	229
8.0	109*	128*	103*	93*	103	87*	78	190*	105*	126*	78	114	190
4.0	220	138	193	172	141	145	132	122	117	113	104	151	226
2.0	108*	125*	132*	90*	95	69*	81	90*	96*	91*	81	108	133
1.0	247*	126*	99*	90*	96	87*	81	89*	94*	98*	81	112	247
0.5	108*	122*	97*	90*	93	88*	78	90*	92*	91*	78	110	174

NOTE - THE SYMBOL • DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	780*	780*	778*	779*	778*	760*	764*	808*	843*	873*	883*	917*	910*	910*
39.0	780*	778*	776*	776*	778*	779*	797*	816*	874*	875*	878*	913*	903*	902*
32.0	784	789	782	796	555	786	789	818	862	884	888	917	904	893
30.0	787	787	786	760	781	794	788	820	868	889	890	920	905	896
22.0	784	787	784	780	784	555	555	555	853	869	893	922	916	555
13.5	781	778	781	775	783	779	781	806	856	869	882	912	903	895
8.0	780*	779*	774*	770*	762*	769*	781*	800*	837*	870*	889*	915*	909*	903*
4.0	778	775	772	767	764	766	774	795	839	862	889	910	909	894
2.0	778*	771*	767*	760*	751*	755*	773*	791*	826*	867*	891*	913*	908*	901*
1.0	773*	771*	766*	759*	752*	758*	773*	791*	824*	864*	890*	919*	913*	901*
0.5	772*	770*	768*	761*	751*	758*	810*	789*	823*	868*	908*	928*	913*	902*

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	902*	872*	862*	840*	817	800*	795	793*	791*	784*	917
39.0	901*	870*	860*	840*	816	801*	793	795*	791*	782*	913
32.0	894	894	882	867	830	808	799	795	792	783	917
30.0	895	894	884	867	836	813	801	796	797	785	920
22.0	555	555	885	865	835	555	555	817	797	778	922
13.5	894	892	884	874	831	820	803	798	792	778	912
8.0	900*	873*	870*	842*	820	800*	790	790*	780*	803*	915
4.0	892	891	883	858	824	809	794	785	780	771	910
2.0	899*	875*	899*	840*	814	798*	786	780*	771*	768*	913
1.0	898*	877*	869*	840*	815	798*	785	779*	772*	766*	919
0.5	898*	876*	866*	840*	813	799*	785	780*	772*	769*	928

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	715*	712*	711*	690*	689*	690*	689*	720*	762*	768*	786*	785*	792*	810*
39.0	709*	699*	701*	686*	661*	675*	687*	720*	760*	767*	788*	790*	798*	800*
32.0	678	673	670	677	662	656	664	683	698	665	760	784	661	682
30.0	665	664	670	650	666	656	663	688	726	771	695	785	684	671
22.0	669	666	665	662	649	647	645	667	663	668	663	686	791	675
13.5	668	662	662	661	657	636	642	675	683	713	761	788	677	555
8.0	678*	668*	660*	652*	652*	633*	649*	670*	713*	762*	789*	785*	792*	800*
4.0	661	660	662	663	654	644	647	661	671	693	677	684	696	673
2.0	679*	670*	661*	653*	652*	634*	650*	665*	701*	760*	770*	780*	789*	790*
1.0	680*	670*	663*	650*	654*	635*	651*	667*	702*	760*	779*	772*	785*	798*
0.5	680*	671*	662*	651*	655*	637*	652*	666*	701*	758*	734*	772*	790*	792*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	810*	755*	764*	748*	716	713*	719	722*	720*	713*	689
39.0	811*	762*	763*	749*	715	713*	720	721*	720*	712*	675
32.0	680	756	686	665	726	713	705	664	679	678	656
30.0	661	699	746	673	681	664	673	674	663	661	650
22.0	682	761	660	752	662	672	664	672	687	670	645
13.5	665	758	680	674	681	710	666	664	685	641	636
8.0	791*	745*	767*	749*	717	713*	712	555	675*	677*	633
4.0	672	753	690	686	683	664	662	683	663	658	644
2.0	791*	750*	767*	750*	719	709*	705	690*	675*	677*	634
1.0	651*	751*	770*	750*	719	711*	704	690*	676*	670*	635
0.5	790*	754*	771*	750*	720	711*	707	690*	690*	678*	637

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 100

APRIL 1968 ALBRUCK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	7069*	7059*	7028*	6989*	6982*	6995*	7028*	7161*	7256*	7206*	7339*	7332*	7373*	7348*
39.0	7106*	7086*	7045*	7006*	7012*	7018*	7057*	7220*	7291*	7250*	7361*	7352*	7415*	7371*
32.0	7061	7065	7073	7074	7006	7046	7059	7205	7322	7329	7271	7327	7379	7377
30.0	7020	7030	6999	7007	6972	7012	7029	7138	7253	7291	7269	7296	7341	7340
22.0	7030	7019	7039	7023	6972	6982	7012	7156	7260	7277	7245	7284	7338	7377
13.5	7020	6996	7020	7019	6985	6962	6971	7135	7262	7354	7328	7391	7421	7420
8.0	7014*	6996*	6954*	6902*	6882*	6900*	6933*	7171*	7262*	7247*	7360*	7372*	7391*	7367*
4.0	7031	7030	7022	7016	6989	6972	6964	7149	7307	7313	7320	7383	7435	7431
2.0	7100*	7082*	7035*	6979*	6954*	6988*	7016*	7276*	7374*	7353*	7478*	7499*	7512*	7470*
1.0	7087*	7066*	7020*	6963*	6946*	6978*	7008*	7258*	7380*	7379*	7480*	7473*	7507*	7522*
0.5	7107*	7090*	7041*	6985*	6969*	6996*	7030*	7289*	7440*	7419*	7522*	7521*	7534*	7526*

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	7316*	7294*	7267*	7183*	7077	7080*	7054	7094*	7060*	7040*	6570	7152	8050
39.0	7368*	7313*	7288*	7195*	7079*	7119*	7091	7143*	7093*	7085*	6190	7181	8120
32.0	7343	7349	7270	7188	7099	7095	7104	7096	7066	7080	6030	7178	7880
30.0	7315	7274	7230	7138	7064	7073	7050	7045	7061	7053	6020	7137	7850
22.0	7328	7306	7238	7162	7068	7061	7082	7065	7054	7066	6050	7143	8080
13.5	7406	7345	7329	7216	7146	7077	7082	7079	7060	7074	6020	7170	8030
8.0	7348*	7320*	7282*	7181*	7085	7064*	7021	7059*	7002*	6979*	6210	7128	8100
4.0	7420	7392	7353	7248	7112	7080	7115	7089	7080	7066	6020	7179	8060
2.0	7452*	7424*	7379*	7298*	7173	7156*	7119	7154*	7085*	7066*	6290	7225	8180
1.0	7460*	7424*	7391*	7306*	7167	7141*	7099	7139*	7070*	7045*	6270	7221	8200
0.5	7494*	7458*	7426*	7342*	7198	7168*	7124	7158*	7090*	7067*	6280	7249	6230

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL 1960 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	570	600	570	760	690	670	620	610	620	750	730	1190	1130	1100
39.0	700	650	600	950	1000	840	920	1040	690	850	810	1180	1320	1290
32.0	132	129	119	117	140	178	139	139	132	149	165	154	148	148
30.0	129	128	136	144	144	176	133	141	145	148	137	145	148	156
22.0	139	128	128	127	129	126	140	141	146	152	160	157	151	133
13.5	127	144	149	131	125	128	142	154	138	144	124	130	148	164
6.0	710	700	620	690	690	1190	950	650	710	680	780	1290	1280	1180
4.0	126	112	129	131	101	126	145	148	134	142	181	555	145	161
2.0	880	880	920	1040	920	1110	940	1010	810	920	950	1370	1430	1320
1.0	780	830	870	1020	900	1110	980	1060	820	900	880	1330	1370	555
0.5	880	870	980	1040	910	1120	970	1050	940	880	800	1290	1360	1280

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	1130	680	650	750	67	680	65	570	540	650	54	74	119
39.0	1340	810	820	850	1240	1140	90	640	810	800	64	96	138
32.0	137	122	129	133	130	123	126	126	123	126	117	136	178
30.0	140	132	144	139	135	108	123	123	123	121	108	137	174
22.0	173	161	160	122	131	126	125	126	126	125	122	137	173
13.5	149	143	132	141	103	131	126	126	127	121	103	137	183
6.0	1200	710	770	770	114	800	74	700	770	600	68	89	129
4.0	153	555	126	148	130	130	123	117	130	131	101	140	161
2.0	1360	900	820	890	70	810	82	780	830	840	70	97	143
1.0	1330	900	900	900	70	850	86	740	810	800	70	97	137
0.5	1380	880	840	900	71	900	80	780	760	820	71	95	138

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, • FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL 1965 ALaRUOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	733*	730*	735*	731*	730*	730*	751*	747*	752*	753*	763*	803*	803*	805
39.0	740*	740*	740*	740*	740*	739*	739*	754*	760*	759*	761*	810*	803*	809*
32.0	751	749	749	749	743	784	745	761	776	774	782	783	788	785
30.0	747	748	746	747	746	779	745	758	773	772	774	782	785	784
22.0	744	748	746	745	744	744	745	757	771	772	772	787	788	798
13.5	748	748	752	751	744	743	744	759	768	774	782	791	795	803
8.0	731*	730*	730*	726*	728*	740*	732*	743*	751*	751*	767*	809*	810*	809*
4.0	750	753	753	755	744	744	747	759	772	772	806	555	790	798
2.0	749*	749*	748*	743*	740*	740*	743*	759*	771*	773*	779*	817*	818*	815*
1.0	746*	743*	741*	746*	735*	738*	741*	759*	770*	774*	778*	816*	820*	555
0.5	749*	749*	748*	744*	739*	740*	744*	763*	773*	778*	780*	819*	823*	818*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	803*	758*	750*	745*	740	736*	735	732*	733*	735*	805
39.0	812*	761*	760*	750*	743*	760*	741	741*	741*	740*	812
32.0	774	772	772	763	751	747	748	747	746	749	788
30.0	772	769	760	763	747	747	744	743	741	744	785
22.0	798	808	777	759	748	745	747	745	744	744	808
13.5	789	788	788	778	754	751	750	748	746	746	803
8.0	810*	760*	760*	745*	741	740*	733	730*	730*	730*	810
4.0	791	555	781	779	754	749	749	747	749	747	806
2.0	816*	770*	780*	760*	750	751*	750	747*	745*	742*	818
1.0	819*	770*	780*	768*	750	750*	749	742*	741*	740*	820
0.5	818*	770*	780*	778*	753	750*	750	748*	743*	742*	82

N 7 PAGE * DENOTES DATA FOR 0-10 DAYS. * FOR 10-20 DAYS.

[illegible] SUMMARY OF METEOROLOGICAL OBSERVATIONS

[illegible] WIND [illegible] TEMPERATURE IN DEGREES FAHRENHEIT X 10

APRIL [illegible] ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	670*	670*	670*	657*	661*	663*	667*	666*	670*	678*	690*	694*	690*	695*
39.0	661*	645*	650*	645*	640*	645*	647*	650*	671*	674*	680*	672*	671*	680*
32.0	619	620	610	632	603	606	606	622	644	625	617	629	640	637
30.0	618	620	638	603	602	605	612	617	628	624	637	637	637	628
22.0	605	621	620	618	615	616	605	616	625	620	612	630	637	665
13.5	621	604	603	620	619	615	602	605	630	630	658	661	647	639
9.0	660*	652*	648*	637*	639*	621*	637*	658*	680*	683*	689*	680*	682*	691*
4.0	624	641	624	624	643	614	602	611	636	630	625	648	645	637
2.0	669*	661*	650*	639*	648*	629*	645*	658*	690*	681*	684*	680*	675*	683*
1.0	668*	660*	654*	648*	645*	627*	643*	653*	686*	684*	690*	683*	683*	685*
0.5	661*	662*	658*	640*	648*	628*	645*	658*	669*	690*	700*	690*	687*	690*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	690*	690*	685*	670*	673	670*	670	675*	679*	670*	657
39.0	678*	660*	678*	665*	619*	642*	651	677*	660*	660*	619
32.0	637	650	643	630	621	624	622	621	623	623	603
30.0	632	637	636	624	612	639	621	620	618	623	602
22.0	625	647	637	637	617	621	622	619	620	619	605
13.5	640	605	635	637	651	620	624	622	619	625	602
9.0	680*	668*	663*	660*	667	660*	659	660*	653*	650*	621
4.0	618	652	667	651	624	619	626	630	615	616	602
2.0	660*	660*	660*	671*	660	670*	668	669*	662*	658*	629
1.0	660*	660*	660*	670*	660	660*	662	668*	660*	660*	627
0.5	660*	660*	660*	660*	662	670*	670	670*	665*	660*	628

[illegible] * [illegible] DATA [illegible] FOR [illegible] HOURS.

[illegible] SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF RELATIVE HUMIDITY IN PERCENT [illegible]

[illegible] 1966 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	9032*	9230*	9230*	9366*	9234*	9.95*	8317*	7960*	6776*	6006*	6086*	5788*	5738*	5636*
39.0	9324*	9462*	9436*	9521*	9574*	9534*	8544*	8044*	6973*	6156*	6237*	5895*	5962*	5797*
32.0	8931	8502	8644	9672	9703	8865	8656	8037	6481	6223	5882	5701	5625	5821
30.0	9289	9377	9586	9627	9716	8830	8537	7826	6721	5956	5698	5475	5455	5636
22.0	8555	8614	8918	8834	8916	8942	8850	8346	7254	6327	5974	5714	5640	5821
19.5	9060	9104	9346	9340	9368	9195	8123	8572	7264	6443	6062	5787	5804	5983
8.0	9652*	9723*	9735*	9765*	9002*	9976*	9957*	9514*	7144*	6181*	6174*	6018*	5831*	5859*
4.0	9137	9234	9331	9396	9474	9512	9372	9156	7831	6668	6188	5891	5839	6059
2.0	9202*	9264*	9365*	9430*	9463*	9488*	9420*	9141*	7756*	6710*	6626*	6431*	6277*	6233*
1.0	9108*	9159*	9218*	9327*	9353*	9365*	9364*	9021*	7821*	6749*	6568*	6353*	6240*	6431*
0.5	9151*	9224*	9326*	9410*	9445*	9461*	9361*	9193*	8104*	7023*	6773*	6453*	6314*	6411*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	5797*	6128*	6102*	6413*	6743	7266*	7446	7722*	7850*	7968*	3970	7132	9460
39.0	6020*	6177*	6177*	6464*	6706*	7463*	7614	7971*	8025*	8136*	3480	7304	9580
32.0	5690	5911	5966	6190	6650	7205	7636	7869	8044	8266	3130	7251	9990
30.0	5616	5716	5817	6035	6515	7079	7494	7763	7988	8180	3160	7124	9990
22.0	5764	5828	5935	6040	6527	7075	7494	7876	8145	8505	2890	7327	9990
19.5	6011	6042	6076	6307	6801	7310	7717	8070	8295	8548	3530	7491	9990
8.0	5994*	6260*	6200*	6490*	6920	7453*	7732	8037*	8336*	8351*	3660	7484	9810
4.0	6195	6155	6247	6477	6962	7597	8111	8478	8752	9006	3560	7793	9990
2.0	6387*	6640*	6499*	6975*	7464	7963*	8277	8665*	8881*	9047*	3400	7984	9950
1.0	6480*	6669*	6663*	7086*	7488	7950*	8215	8614*	8790*	8928*	3390	7958	9990
0.5	6558*	6736*	6767*	7204*	7609	8080*	8295	8669*	8843*	8990*	3370	8058	9990

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

RANGE OF RELATIVE HUMIDITY IN PERCENT X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	223*	104*	111*	123*	135*	145*	204*	236*	250*	307*	415*	357*	366*	328*
39.0	169*	215*	252*	240*	206*	140*	194*	272*	248*	350*	456*	401*	555	417*
32.0	522	213	408	459	617	511	507	423	393	543	555	501	506	449
30.0	285	148	234	214	330	204	397	442	251	325	460	448	495	422
22.0	254	341	214	165	214	238	349	315	317	371	527	509	526	553
13.5	414	557	217	361	287	174	275	271	301	555	541	464	607	511
8.0	211*	173*	171*	191*	145*	173*	205*	261*	329*	343*	475*	415*	377*	435*
4.0	373	312	158	153	112	133	301	254	299	434	540	555	452	518
2.0	156*	152*	152*	103*	87*	98*	130*	240*	305*	388*	553*	502*	564*	545*
1.0	155*	166*	106*	102*	80*	123*	111*	233*	284*	395*	542*	536*	566*	587*
0.5	152*	153*	125*	111*	94*	75*	421*	202*	295*	333*	600*	560*	553*	548*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	330*	406*	381*	367*	364	298*	239	258*	220*	172*	104	265	415
39.0	462*	454*	459*	426*	523*	355*	320	246*	288*	356*	140	335	462
32.0	424	543	626	624	536	464	415	428	431	540	213	490	626
30.0	355	566	571	555	405	245	208	330	256	282	198	352	571
22.0	555	555	566	516	434	511	480	344	317	313	185	398	518
13.5	492	561	550	531	433	295	207	220	249	282	174	389	607
8.0	427*	523*	396*	412*	363	304*	280	252*	249*	428*	145	315	523
4.0	475	566	558	495	425	314	218	209	235	228	112	349	628
2.0	542*	579*	430*	414*	338	283*	271	243*	221*	147*	87	311	579
1.0	551*	570*	428*	371*	357	297*	273	238*	216*	139*	90	310	587
0.5	572*	548*	410*	363*	324	283*	256	235*	213*	159*	75	316	600

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM RELATIVE HUMIDITY IN PERCENT X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	865*	869*	874*	904*	863*	907*	946*	876*	811*	780*	845*	758*	763*	738*
39.0	905*	877*	953*	922*	944*	934*	954*	918*	825*	786*	870*	772*	555	788*
32.0	991	961	977	977	975	999	995	946	963	937	863	876	830	846
30.0	995	934	995	972	990	999	976	926	811	767	851	802	811	801
22.0	986	986	995	995	999	995	995	981	857	808	882	824	815	868
13.5	986	990	986	999	991	995	995	986	879	995-	917	842	960	887
8.0	953*	935*	953*	951*	943*	957*	954*	954*	911*	820*	900*	807*	743*	828*
4.0	976	977	986	986	991	991	999	990	936	920	947	555	808	906
2.0	958*	958*	995*	990*	986*	981*	990*	977*	946*	876*	955*	877*	904*	913*
1.0	953*	976*	962*	981*	967*	999*	971*	972*	934*	876*	939*	877*	913*	960*
0.5	967*	976*	981*	986*	976*	976*	999*	968*	944*	882*	981*	897*	921*	943*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	737*	825*	822*	883*	903	930*	917	912*	917*	880*	946
39.0	837*	875*	851*	914*	935*	949*	953	958*	953*	901*	958
32.0	737	923	950	963	898	873	873	869	903	999	999
30.0	722	914	954	923	894	861	865	860	935	967	999
22.0	778	915	950	937	894	848	861	865	944	999	999
13.5	861	950	941	968	941	919	890	912	939	986	999
8.0	826*	932*	840*	914*	960	944*	939	949*	953*	930*	981
4.0	862	950	973	950	955	955	915	928	976	999	999
2.0	913*	954*	869*	941*	963	986*	981	986*	995*	953*	995
1.0	926*	941*	869*	932*	958	981*	976	981*	986*	953*	999
0.5	947*	932*	874*	941*	967	986*	981	986*	991*	981*	999

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM RELATIVE HUMIDITY IN PERCENT AT 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	642*	765*	762*	781*	745*	762*	742*	646*	561*	473*	430*	401*	397*	410*
39.0	736*	682*	701*	662*	738*	734*	760*	646*	577*	436*	414*	371*	348*	371*
32.0	469	768	479	518	378	488	464	523	570	394	555	375	324	397
30.0	710	736	761	758	660	795	579	496	560	442	391	354	316	379
22.0	730	645	781	810	785	757	646	666	540	437	355	315	289	315
13.5	572	433	769	638	704	821	720	715	578	464	376	358	353	376
8.0	742*	762*	782*	790*	804*	784*	749*	673*	582*	477*	425*	392*	366*	393*
4.0	603	665	828	833	879	858	698	736	639	486	407	368	356	388
2.0	602*	806*	843*	867*	899*	863*	860*	717*	643*	490*	402*	375*	340*	368*
1.0	798*	810*	856*	879*	877*	870*	860*	739*	646*	483*	397*	339*	347*	373*
0.5	815*	823*	856*	875*	882*	901*	576*	766*	649*	549*	381*	337*	368*	395*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	407*	419*	441*	496*	539	632*	658	654*	697*	708*	397
39.0	375*	371*	392*	488*	412*	594*	633	712*	665*	545*	346
32.0	313	380	324	339	362	409	458	441	472	459	313
30.0	367	348	383	368	489	616	657	530	679	685	316
22.0	555	555	382	421	460	337	381	541	627	686	289
13.5	369	389	391	437	508	624	683	692	690	704	353
8.0	399*	409*	444*	502*	577	640*	659	697*	704*	502*	366
4.0	386	384	415	455	530	641	697	719	741	771	356
2.0	371*	375*	439*	527*	625	703*	710	743*	774*	806*	340
1.0	375*	371*	441*	561*	601	684*	703	743*	770*	814*	339
0.5	375*	384*	464*	578*	643	703*	725	751*	778*	822*	337

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF SATURATION DEFICIT IN MILLIBARS X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	58*	51*	51*	46*	49*	48*	48*	63*	117*	154*	160*	176*	181*	184*
39.0	47*	44*	45*	41*	42*	40*	42*	61*	108*	147*	150*	170*	171*	175*
32.0	49	42	38	37	37	32	37	62	110	149	167	181	188	175
30.0	49	47	40	38	34	33	42	69	120	161	176	193	197	185
22.0	41	39	32	32	29	28	32	49	95	140	159	178	186	176
13.5	37	34	30	27	25	21	24	42	96	138	157	179	181	169
8.0	37*	35*	32*	28*	27*	27*	28*	45*	100*	147*	158*	165*	178*	172*
4.0	24	20	16	16	14	12	16	24	73	125	154	175	179	164
2.0	22*	20*	17*	14*	14*	13*	16*	25*	78*	123*	138*	150*	160*	157*
1.0	25*	23*	20*	17*	17*	16*	16*	29*	75*	122*	141*	155*	162*	149*
0.5	23*	21*	18*	15*	15*	13*	18*	23*	65*	111*	137*	152*	160*	150*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	173*	154*	152*	131*	110	37*	79	70*	64*	59*	20	102	280
39.0	163*	153*	149*	130*	108*	61*	74	62*	59*	55*	10	96	290
32.0	182	169	168	144	115	90	73	65	56	53	0	101	310
30.0	185	179	170	151	119	94	74	66	60	58	0	106	320
22.0	179	174	169	150	119	95	80	65	56	43	0	97	370
13.5	168	163	160	139	110	65	70	58	50	45	0	92	310
8.0	164*	149*	146*	128*	103	60*	67	58*	47*	46*	0	90	280
4.0	158	159	151	131	102	74	56	44	35	30	0	81	310
2.0	147*	134*	138*	109*	83	62*	51	38*	31*	26*	0	73	300
1.0	144*	134*	129*	104*	82	64*	52	40*	33*	30*	0	74	310
0.5	140*	131*	125*	100*	79	58*	51	38*	33*	28*	0	71	320

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, + FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM SATURATION DEFICIT IN MILLIBARS X 1

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	11*	7*	7*	7*	8*	7*	8*	12*	18*	22*	25*	28*	28*	26*
39.0	7*	8*	8*	8*	7*	6*	8*	12*	19*	25*	25*	27*	29*	28*
32.0	17	7	16	17	25	17	17	14	16	24	31	30	31	28
30.0	8	8	7	7	9	7	12	18	17	23	27	31	32	29
22.0	8	11	7	8	7	6	10	11	18	25	30	35	36	37
13.5	13	17	6	10	9	5	7	9	15	22	27	31	31	30
8.0	7*	7*	7*	7*	6*	7*	8*	11*	16*	21*	24*	28*	28*	27*
4.0	12	11	5	4	4	4	7	8	13	21	28	31	31	29
2.0	6*	6*	4*	3*	3*	3*	4*	9*	13*	19*	25*	27*	30*	28*
1.0	6*	5*	4*	4*	3*	4*	4*	8*	13*	20*	26*	31*	31*	28*
0.5	5*	5*	4*	4*	3*	3*	15*	7*	13*	17*	29*	32*	29*	27*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	26*	25*	23*	19*	16	13*	11	11*	9*	9*	28
39.0	27*	28*	26*	20*	19*	12*	10	9*	10*	15*	29
32.0	31	28	28	25	22	20	18	18	16	23	31
30.0	29	30	27	26	18	13	11	15	10	27	32
22.0	555	555	27	24	21	33	23	17	12	10	37
13.5	28	27	26	24	18	12	10	10	10	26	31
8.0	26*	25*	23*	19*	16	12*	11	9*	9*	18*	28
4.0	28	28	25	23	17	12	9	9	8	27	31
2.0	28*	27*	26*	17*	12	9*	9	8*	6*	5*	30
1.0	27*	28*	23*	16*	13	9*	9	6*	7*	5*	31
0.5	27*	28*	22*	16*	12	9*	8	7*	6*	5*	32

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF VAPOR PRESSURE IN MILLIBARS X 100

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	2389*	2399*	2372*	2356*	2341*	2353*	2383*	2475*	2417*	2282*	2400*	2366*	2392*	2361*
39.0	2449*	2443*	2439*	2367*	2390*	2403*	2429*	2521*	2473*	2339*	2442*	2404*	2462*	2404*
32.0	2422	2440	2451	2457	2409	2460	2451	2523	2510	2428	2363	2365	2402	2430
30.0	2392	2394	2430	2427	2402	2437	2417	2471	2456	2366	2299	2306	2340	2367
22.0	2426	2416	2449	2441	2419	2435	2438	2527	2502	2401	2328	2338	2367	2400
13.5	2419	2424	2451	2445	2419	2432	2453	2535	2524	2475	2407	2412	2464	2494
8.0	2406*	2393*	2356*	2343*	2331*	2346*	2368*	2521*	2465*	2339*	2426*	2430*	2422*	2406*
4.0	2469	2466	2486	2469	2463	2474	2468	2604	2601	2494	2442	2459	2473	2486
2.0	2523*	2514*	2483*	2445*	2427*	2458*	2478*	2672*	2630*	2500*	2596*	2601*	2591*	2548*
1.0	2504*	2490*	2459*	2425*	2413*	2442*	2467*	2646*	2643*	2520*	2592*	2565*	2580*	2629*
0.5	2525*	2516*	2465*	2449*	2440*	2464*	2483*	2690*	2728*	2597*	2650*	2619*	2615*	2625*

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	2353*	2369*	2344*	2311*	2262	2322*	2321	2361*	2364*	2360*	1710	2361	3180
39.0	2428*	2391*	2375*	2329*	2273*	2377*	2371	2447*	2411*	2415*	1340	2407	3480
32.0	2372	2395	2326	2317	2298	2338	2394	2406	2415	2435	1320	2408	3310
30.0	2351	2331	2308	2256	2241	2300	2349	2374	2389	2404	1490	2367	3220
22.0	2380	2358	2320	2253	2253	2296	2346	2390	2401	2436	1380	2388	3410
13.5	2473	2449	2412	2350	2330	2351	2398	2422	2423	2450	1300	2433	3400
8.0	2403*	2406*	2368*	2319*	2289	2329*	2324	2391*	2366*	2347*	1630	2379	3270
4.0	2508	2465	2439	2379	2349	2384	2440	2460	2466	2486	1590	2468	3510
2.0	2549*	2546*	2491*	2478*	2419	2458*	2457	2524*	2482*	2482*	1540	2514	3380
1.0	2573*	2546*	2523*	2496*	2416	2443*	2435	2505*	2462*	2455*	1590	2509	3380
0.5	2610*	2590*	2567*	2540*	2456	2478*	2463	2525*	2482*	2478*	1630	2544	3430

NOTE THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF WIND SPEED IN M.P.H. X 100

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	516	533	498	501	456	446	467	415	506	613	671	688	709	691
39.0	443	458	431	424	399	379	392	350	470	564	593	602	620	605
13.5	116'	103'	107'	109'	89'	95'	107'	116'	147'	140'	155'	156'	187'	169'
8.0	555'	555'	555'	555'	555'	555'	555'	90'	555'	555'	555'	555'	555'	555'
2.0	555'	555'	555'	555'	555'	555'	555'	70'	555'	555'	555'	555'	555'	555'

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	784	739	744	756	662	556	546	516	502	498	70	584	2520
39.0	694	639	661	668	609	485	455	451	427	412	70	509	2340
13.5	160*	162*	140*	141*	134*	114'	121'	123'	110'	116'	70	130	650
8.0	330'	555'	555'	555'	555'	555'	555'	555'	555'	555'	90	210	330
2.0	320'	555'	555'	555'	555'	555'	555'	555'	555'	70'	70	153	820

NOTE - THE SYMBOL ' DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM WIND SPEED IN M.P.H. X 10

APRIL 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	106	97	92	91	101	97	129	121	161	131	172	169	252	178
39.0	89	93	84	79	69	85	110	119	152	137	148	163	234	160
13.5	16*	17*	19*	17*	17*	17*	15*	24*	36*	31*	45*	33*	65*	45*
8.0	555*	555*	555*	555*	555*	555*	555*	9*	555*	555*	555*	555*	555*	555*
2.0	555*	555*	555*	555*	555*	555*	555*	7*	555*	555*	555*	555*	555*	555*

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	221	232	175	190	162	133	120	106	101	105	252
39.0	171	231	161	159	148	131	113	99	90	91	234
13.5	56*	54*	39*	38*	30*	29*	23*	26*	17*	21*	65
8.0	33*	555*	555*	555*	555*	555*	555*	555*	555*	555*	33
2.0	82*	555*	555*	555*	555*	555*	555*	555*	555*	7*	82

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, X FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
46.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	3	5	61	3	6	59	56	5	59	4	64	5	117	63
NNE (12- 33)	3	19	3	23	5	5	31	20	53	130	85	108	148	76
NE (34- 56)	2	1	10	1	5	10	24	30	45	137	150	66	106	131
ENE (57- 78)	0	10	11	1	4	5	3	26	59	82	135	136	74	104
E (79-101)	5	12	5	35	6	5	3	28	18	72	113	84	43	63
ESE (102-123)	12	25	0	15	12	13	2	13	63	41	100	93	111	56
SE (124-146)	0	12	1	49	2	25	26	15	77	94	117	60	105	33
SSE (147-168)	13	12	0	28	1	13	0	13	78	31	61	131	73	93
S (169-191)	0	1	13	0	42	0	13	27	45	59	114	79	33	68
SSW (192-213)	3	14	15	17	12	11	32	24	25	64	69	84	64	46
SW (214-236)	35	16	17	29	57	49	58	17	60	71	20	53	42	60
WSW (237-258)	31	33	23	33	14	24	14	25	74	65	52	33	54	62
W (259-281)	35	56	34	23	36	34	34	36	34	40	24	45	48	78
WNW (282-303)	56	64	65	54	44	54	52	61	38	20	24	22	31	19
NW (304-326)	66	58	60	58	64	61	60	48	28	16	13	16	19	23
NNW (327-348)	48	39	50	49	48	49	45	36	34	24	16	21	23	21

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	60	61	3	5	61	2	175	116	5	5
NNE (12- 33)	96	53	49	29	39	7	2	5	3	3
NE (34- 56)	72	101	54	3	27	4	4	4	10	3
ENE (57- 78)	71	70	67	55	11	29	10	4	11	3
E (79-101)	130	128	73	85	47	16	6	14	4	2
ESE (102-123)	64	64	96	121	73	1	13	0	12	0
SE (124-146)	57	92	89	36	14	37	29	12	0	14
SSE (147-168)	132	45	65	26	90	36	26	0	13	0
S (169-191)	75	127	73	69	40	14	33	28	13	13
SSW (192-213)	85	116	35	96	26	44	3	3	46	4
SW (214-236)	31	31	60	123	35	43	18	16	15	43
WSW (237-258)	132	45	76	24	64	37	11	34	24	11
W (259-281)	61	65	54	55	82	34	7	32	32	18
WNW (282-303)	24	37	25	38	30	43	52	44	45	54
NW (304-326)	21	18	24	24	42	52	53	50	62	64
NNW (327-348)	7	15	39	52	56	70	66	69	55	45

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
39.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	5	242	5	7	54	50	132	56	2	2	7	0	4	3
NNE (12- 33)	22	7	5	0	5	4	26	25	60	122	100	99	115	82
NE (34- 56)	0	6	4	33	3	9	24	13	51	93	129	110	116	119
ENE (57- 78)	0	24	18	2	11	12	25	42	91	124	148	70	56	47
E (79-101)	3	3	14	2	18	10	13	17	46	56	105	75	88	122
ESE (102-123)	11	2	33	1	2	11	12	25	56	81	94	84	84	53
SE (124-146)	9	10	1	13	0	19	13	11	30	30	103	91	102	69
SSE (147-168)	0	14	0	29	29	14	2	3	72	49	57	103	64	76
S (169-191)	13	14	0	13	13	1	26	14	43	56	71	78	46	82
SSW (192-213)	5	24	14	14	14	43	13	44	57	67	57	35	82	58
SW (214-236)	13	22	29	24	47	12	14	40	49	64	59	51	21	61
WSW (237-258)	41	11	11	14	43	9	41	24	53	44	11	83	32	81
W (259-281)	31	44	31	51	32	42	30	43	46	32	19	56	49	42
WNW (282-303)	54	65	68	51	45	59	68	58	34	23	18	18	24	11
NW (304-326)	75	63	65	67	69	55	58	46	25	16	19	15	22	18
NNW (327-348)	42	28	54	49	43	60	31	45	42	28	13	15	28	44

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	3	5	97	5	54	1	50	99	59	5
NNE (12- 33)	114	60	40	22	40	9	6	3	4	25
NE (34- 56)	60	74	63	31	17	4	5	2	7	3
ENE (57- 78)	42	65	58	63	57	25	13	2	11	0
E (79-101)	69	97	118	56	56	16	3	3	3	5
ESE (102-123)	102	101	68	46	23	22	11	12	12	32
SE (124-146)	79	135	96	79	54	19	19	1	8	0
SSE (147-168)	147	66	72	86	72	29	16	2	1	0
S (169-191)	113	68	57	111	5	68	69	14	13	13
SSW (192-213)	56	100	82	62	34	44	28	27	34	4
SW (214-236)	63	96	47	55	75	24	27	42	12	33
WSW (237-258)	83	74	65	120	45	44	14	25	32	0
W (259-281)	45	43	34	42	73	58	36	37	52	35
WNW (282-303)	31	26	33	34	33	49	56	43	41	56
NW (304-326)	17	19	24	25	34	41	51	59	60	56
NNW (327-348)	11	8	31	49	62	75	62	71	57	51

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
13.5 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	12	4	11	13	33	1	3	23	70	46	37	37	78	70
NNE (12- 33)	3	25	28	4	26	4	1	2	54	124	31	57	9	130
NE (34- 56)	1	2	2	3	4	3	3	19	87	100	135	117	56	71
ENE (57- 78)	4	3	5	1	7	5	22	6	53	70	86	169	41	121
E (79-101)	8	17	6	9	3	5	9	15	3	84	79	72	165	46
ESE (102-123)	13	1	11	11	12	1	1	12	26	106	138	141	83	82
SE (124-146)	37	21	18	9	14	3	4	13	27	86	114	50	95	105
SSE (147-168)	20	19	19	23	9	30	5	27	54	62	101	42	61	62
S (169-191)	11	10	5	28	17	27	9	19	46	79	21	87	66	113
SSW (192-213)	54	24	59	14	20	43	49	32	58	45	53	79	31	61
SW (214-236)	28	39	45	34	42	22	34	55	76	42	50	26	28	48
WSW (237-258)	57	44	51	44	51	44	65	63	34	32	15	31	20	28
W (259-281)	63	52	59	52	51	61	68	50	40	28	22	21	37	17
WNW (282-303)	58	67	67	65	76	69	53	55	29	14	15	15	27	16
NW (304-326)	38	62	40	77	41	59	50	38	21	19	35	29	30	35
NNW (327-348)	48	61	24	43	46	31	19	3	39	32	63	41	62	18

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	89	91	75	104	17	86	34	26	37	3
NNE (12- 33)	34	80	100	147	74	53	11	3	1	1
NE (34- 56)	118	57	69	65	34	6	4	17	3	2
ENE (57- 78)	75	49	101	55	40	17	20	3	3	2
E (79-101)	165	134	60	47	25	15	4	17	6	6
ESE (102-123)	82	85	60	59	35	13	12	1	11	1
SE (124-146)	55	66	102	37	66	32	22	0	10	13
SSE (147-168)	89	98	33	54	63	43	35	31	22	1
S (169-191)	74	51	59	85	31	34	69	21	20	19
SSW (192-213)	34	68	52	53	26	64	34	23	9	14
SW (214-236)	35	37	53	19	51	56	51	54	37	34
WSW (237-258)	30	33	44	35	39	48	41	55	42	52
W (259-281)	24	19	31	33	41	31	44	43	58	56
WNW (282-303)	18	16	17	27	36	32	44	58	60	65
NW (304-326)	35	27	30	35	46	59	54	46	52	44
NNW (327-348)	30	55	21	55	75	65	57	47	40	24

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE

8.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	66	67	6	7	123	3	5	65	124	125	5	2	1	5
NNE (12- 33)	5	3	3	3	3	3	3	1	3	308	6	5	4	6
NE (34- 56)	37	36	38	2	3	5	1	75	147	76	39	74	42	38
ENE (57- 78)	3	20	3	21	6	24	60	27	62	135	116	83	66	45
E (79-101)	42	12	11	25	33	2	29	8	50	44	83	80	107	79
ESE (102-123)	42	14	21	8	12	7	9	22	33	61	63	107	99	103
SE (124-146)	2	9	3	13	19	21	3	3	33	101	87	74	72	138
SSE (147-168)	19	10	1	20	27	1	2	12	52	88	104	119	103	53
S (169-191)	20	20	33	1	14	23	13	15	59	47	108	48	50	93
SSW (192-213)	15	25	36	19	18	40	22	26	47	41	37	49	56	62
SW (214-236)	30	30	34	33	32	29	25	35	55	61	35	45	47	39
WSW (237-258)	35	30	33	35	29	31	60	63	54	24	40	45	21	45
W (259-281)	49	57	55	51	44	47	49	56	40	33	25	20	36	30
WNW (282-303)	67	69	73	55	71	65	65	44	21	16	16	23	19	17
NW (304-326)	43	58	57	108	67	79	58	49	33	24	27	12	19	14
NNW (327-348)	77	33	16	19	45	33	61	49	60	15	4	30	61	0

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	63	5	61	3	4	63	125	63	9	1
NNE (12- 33)	10	3	3	614	5	1	4	3	1	3
NE (34- 56)	41	111	144	3	6	38	2	3	4	38
ENE (57- 78)	79	66	76	25	4	4	23	28	21	3
E (79-101)	93	75	77	73	28	6	17	13	4	8
ESE (102-123)	59	109	74	68	37	16	5	15	1	9
SE (124-146)	124	65	57	49	71	12	20	20	9	0
SSE (147-168)	61	113	24	24	58	29	34	20	10	18
S (169-191)	62	64	77	64	38	42	51	26	8	2
SSW (192-213)	90	57	54	42	85	62	42	28	19	27
SW (214-236)	56	57	61	64	55	56	48	30	18	21
WSW (237-258)	34	35	46	40	44	61	40	57	57	42
W (259-281)	26	21	38	47	38	51	49	47	48	42
WNW (282-303)	19	18	20	32	30	30	41	52	64	75
NW (304-326)	12	16	15	16	39	49	52	54	58	41
NNW (327-348)	1	3	34	16	61	147	47	74	62	52

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE

200 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	102	1	4	3	100	2	51	3	102	101	3	101	103	52
NNE (12- 33)	1	1	36	36	35	3	37	33	69	138	8	71	41	75
NE (34- 56)	37	5	21	4	9	7	7	77	43	129	56	80	39	80
ENE (57- 78)	18	20	6	29	3	3	4	21	30	95	141	82	92	117
E (79-101)	39	7	25	16	3	14	69	35	41	25	91	81	39	70
ESE (102-123)	8	17	0	3	2	11	23	6	50	77	122	99	136	90
SE (124-146)	9	23	11	15	29	17	12	16	51	67	100	88	99	90
SSE (147-168)	9	24	30	3	13	40	18	13	46	94	62	66	36	107
S (169-191)	21	2	15	1	16	19	2	20	68	83	62	50	49	53
SSW (192-213)	23	11	18	31	14	34	24	18	44	46	38	61	35	56
SW (214-236)	32	33	25	35	33	22	21	25	65	59	39	58	56	57
WSW (237-258)	47	50	56	45	41	50	67	52	35	31	31	24	30	18
W (259-281)	62	51	67	54	65	62	47	52	34	17	21	20	25	25
WNW (282-303)	67	73	65	67	75	57	67	69	23	14	13	13	14	19
NW (304-326)	32	78	31	90	48	43	34	30	59	12	28	33	53	25
NNW (327-348)	68	33	66	33	18	66	0	2	35	4	37	52	70	21

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	98	5	53	5[illegible]	2	1	1	2	53	1
NNE (12- 33)	76	40	110	5	4	39	71	68	2	1
NE (34- 56)	57	60	111	111	23	6	6	25	4	3
ENE (57- 78)	95	79	41	64	4	11	20	2	16	7
E (79-101)	63	103	107	5[illegible]	38	36	14	13	5	6
ESE (102-123)	43	83	67	8[illegible]	40	4	27	9	0	1
SE (124-146)	98	120	22	30	68	10	6	16	2	2
SSE (147-168)	105	72	60	4[illegible]	59	19	43	19	3	16
S (169-191)	65	61	6[illegible]	50	88	44	42	47	23	15
SSW (192-213)	105	50	64	65	63	50	67	13	16	25
SW (214-236)	31	41	60	44	53	64	41	33	32	20
WSW (237-258)	26	30	56	53	37	40	41	63	53	42
W (259-281)	25	21	27	2[illegible]	39	33	51	45	61	64
WNW (282-303)	8	22	16	2[illegible]	32	39	50	52	58	63
NW (304-326)	36	30	29	23	27	65	25	48	66	51
NNW (327-348)	35	15	37	51	36	97	54	67	52	53

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
46.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	3	4	11	3	6	9	8	4	9	4	13	4	18	13
NNE (12- 33)	4	15	3	20	5	5	23	16	38	92	58	74	97	52
NE (34- 56)	2	1	9	1	5	10	22	29	43	133	138	62	97	119
ENE (57- 78)	0	8	9	1	4	5	3	21	49	70	108	112	60	82
E (79-101)	5	8	5	24	6	5	4	21	14	55	79	61	33	46
ESE (102-123)	7	15	0	8	7	8	2	8	40	28	64	60	68	36
SE (124-146)	0	7	1	29	2	14	15	10	47	61	72	39	64	21
SSE (147-168)	8	7	0	17	1	8	0	8	48	21	50	82	47	56
S (169-191)	0	1	7	0	23	0	7	14	27	35	64	48	20	49
SSW (192-213)	3	11	12	14	9	8	22	19	21	50	52	63	47	34
SW (214-236)	24	10	11	17	32	31	33	11	37	43	13	30	23	36
WSW (237-258)	23	24	17	24	12	18	12	20	56	52	39	26	40	46
W (259-281)	43	67	39	34	43	39	39	44	41	51	29	55	56	94
WNW (282-303)	228	276	319	261	132	260	230	275	188	99	106	99	146	91
NW (304-326)	505	431	409	403	510	425	441	386	239	131	76	120	115	163
NNW (327-348)	145	113	149	144	142	154	137	110	104	76	39	65	71	63

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	10	11	3	4	11	2	27	18	4	5	2	9	27
NNE (12- 33)	64	37	34	22	28	7	8	5	4	3	3	30	97
NE (34- 56)	66	92	50	3	24	4	4	4	11	3	1	39	138
ENE (57- 78)	56	55	70	46	9	22	8	4	10	3	0	34	112
E (79-101)	92	89	54	62	33	13	6	11	4	2	2	31	92
ESE (102-123)	40	40	59	75	45	1	8	0	8	0	0	26	75
SE (124-146)	36	55	55	23	9	22	19	7	0	10	0	26	72
SSE (147-168)	60	29	39	16	55	22	16	0	0	0	0	26	82
S (169-191)	43	70	42	39	22	8	21	16	8	6	0	24	70
SSW (192-213)	62	83	70	73	21	31	3	3	37	4	3	31	83
SW (214-236)	19	19	37	71	23	25	12	10	10	27	10	25	71
WSW (237-258)	97	34	60	20	49	29	8	27	20	9	8	32	97
W (259-281)	72	78	64	67	100	41	7	39	40	23	7	50	100
WNW (282-303)	115	154	107	148	113	191	259	168	206	269	91	188	319
NW (304-326)	130	113	136	170	282	369	380	403	448	493	76	303	510
NNW (327-348)	18	41	120	161	177	212	214	265	182	142	18	128	285

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
39.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	4	42	5	7	13	9	30	10	2	2	7	0	4	3
NNE (12- 33)	11	7	5	6	5	4	15	15	26	57	44	44	46	36
NE (34- 56)	0	9	4	38	4	10	27	15	57	110	146	126	131	133
ENE (57- 78)	3	22	16	2	11	12	23	39	87	122	138	67	52	43
E (79-101)	4	3	11	2	15	10	10	14	35	45	78	57	65	91
ESE (102-123)	7	2	22	1	2	7	8	18	38	59	66	61	58	38
SE (124-146)	8	9	1	14	0	15	14	10	26	27	98	78	86	58
SSE (147-168)	0	7	0	15	15	7	2	3	39	31	31	59	37	42
S (169-191)	7	8	0	7	7	1	14	8	20	35	43	50	29	47
SSW (192-213)	4	17	11	10	11	30	9	31	40	49	40	26	57	40
SW (214-236)	12	19	24	26	39	11	13	34	41	56	50	44	18	51
WSW (237-256)	31	6	8	11	33	9	31	19	41	36	8	65	25	62
W (257-281)	41	60	41	68	42	55	39	57	63	45	26	79	66	56
WNW (282-303)	210	269	272	222	177	244	261	229	133	113	62	69	107	47
NW (304-326)	541	454	421	436	509	408	417	362	227	130	135	138	142	131
NNW (327-348)	119	64	158	138	117	169	86	137	119	84	34	36	78	123

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	3	5	16	4	13	1	16	20	19	5	0	10	42
NNE (12- 33)	45	25	17	11	16	9	6	3	4	14	3	20	57
NE (34- 56)	89	84	72	35	19	4	5	2	9	4	0	47	148
ENE (57- 78)	39	60	55	56	53	23	9	2	11	0	0	39	138
E (79-101)	52	71	59	43	42	13	4	6	4	5	2	32	91
ESE (102-123)	79	59	61	32	16	15	7	5	9	24	1	29	70
SE (124-146)	68	113	62	68	46	15	16	1	8	0	0	35	113
SSE (147-168)	81	35	39	47	40	15	9	2	1	0	0	23	81
S (169-191)	66	35	35	66	4	39	42	5	8	8	0	25	66
SSW (192-213)	38	59	60	48	24	31	21	21	25	4	4	30	69
SW (214-236)	69	80	39	47	62	21	29	35	11	31	11	36	80
WSW (237-256)	63	56	51	95	36	34	11	21	27	0	0	32	93
W (257-281)	62	55	45	58	100	80	50	51	73	50	26	57	100
WNW (282-303)	132	98	114	129	138	199	241	163	173	240	47	168	272
NW (304-326)	92	120	133	132	225	274	365	458	456	459	92	300	541
NNW (327-348)	38	18	88	132	173	206	179	202	162	156	18	117	206

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
13.5 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	9	4	8	10	24	1	3	17	54	36	30	30	58	52
NNE (12- 33)	3	8	12	4	10	4	1	2	22	44	14	25	9	47
NE (34- 56)	1	2	2	3	4	3	5	10	45	52	68	58	30	37
ENE (57- 78)	4	3	5	1	7	5	13	6	27	37	43	84	24	59
E (79-101)	8	13	6	9	3	5	9	12	3	64	57	53	112	32
ESE (102-123)	9	1	7	7	8	1	1	3	18	75	92	95	55	54
SE (124-146)	30	17	14	7	12	3	4	11	23	76	94	42	77	85
SSE (147-168)	16	14	14	18	7	23	4	22	44	51	81	33	47	47
S (169-191)	9	8	4	23	14	22	7	16	40	70	19	75	55	94
SSW (192-213)	70	29	73	18	24	52	61	39	73	56	66	102	38	76
SW (214-236)	56	85	95	73	89	43	68	115	168	94	107	63	57	102
WSW (237-258)	160	117	136	120	141	115	176	167	82	98	37	90	55	73
W (259-281)	213	177	205	175	174	223	251	192	143	102	60	73	121	62
WNW (282-303)	275	318	297	306	339	331	263	292	168	61	67	73	133	84
NW (304-326)	89	143	97	184	99	139	116	88	54	49	82	62	70	79
NNW (327-348)	48	60	23	41	45	30	19	3	38	32	63	41	61	18

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	66	68	56	80	14	64	26	22	30	3	1	32	80
NNE (12- 33)	18	30	35	49	24	20	12	3	1	1	1	17	49
NE (34- 56)	58	31	47	32	17	6	4	8	3	2	1	22	66
ENE (57- 78)	40	45	50	35	23	8	11	4	4	2	1	22	84
E (79-101)	112	92	43	34	18	12	4	14	6	6	3	30	112
ESE (102-123)	53	56	39	31	23	9	5	1	6	1	1	28	95
SE (124-146)	45	53	84	30	54	26	19	0	9	12	0	34	94
SSE (147-168)	69	76	27	45	50	33	29	25	18	1	1	33	81
S (169-191)	62	42	51	72	26	29	59	13	18	18	4	36	94
SSW (192-213)	41	84	65	67	33	80	43	21	12	20	12	52	102
SW (214-236)	73	79	116	37	111	119	133	116	81	74	37	89	168
WSW (237-258)	65	93	122	103	105	137	109	159	116	152	37	115	176
W (259-281)	80	64	101	107	143	99	171	153	224	223	62	148	251
WNW (282-303)	87	72	67	137	180	155	199	243	303	353	61	202	353
NW (304-326)	83	63	71	82	105	139	133	112	126	107	49	99	164
NNW (327-348)	29	53	21	55	74	64	50	47	41	26	3	41	74

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
8.0 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	12	13	6	7	16	3	5	11	18	19	4	2	1	5
NNE (12- 33)	4	2	3	3	3	3	3	1	3	12	6	5	4	6
NE (34- 56)	9	8	10	2	3	4	1	19	35	21	11	18	14	10
ENE (57- 78)	3	9	4	10	6	13	27	17	29	62	50	40	33	23
E (79-101)	45	13	11	26	34	3	30	9	53	46	88	85	110	82
ESE (102-123)	46	15	21	6	12	7	9	22	35	67	66	114	103	106
SE (124-146)	2	8	3	9	16	18	3	3	29	93	76	66	63	120
SSE (147-168)	16	8	1	16	22	1	2	10	43	77	86	100	83	43
S (169-191)	23	23	36	1	16	26	15	17	69	57	127	56	56	107
SSW (192-213)	20	33	48	23	22	50	27	34	61	56	47	65	71	80
SW (214-236)	63	58	66	65	64	56	48	72	112	131	68	91	94	75
WSW (237-258)	61	66	78	84	70	72	145	150	124	58	95	112	43	99
W (259-281)	182	222	195	180	150	170	177	216	164	140	102	74	134	121
WNW (282-303)	345	343	350	246	366	335	311	254	111	78	86	126	112	79
NW (304-326)	109	159	159	310	179	222	166	134	65	73	83	28	48	43
NNW (327-348)	41	18	8	11	22	19	31	23	30	6	4	16	31	0

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	9	4	7	3	4	9	19	9	9	1	1	8	19
NNE (12- 33)	10	3	3	19	4	1	4	3	1	3	1	5	19
NE (34- 56)	13	27	32	3	5	10	2	3	4	11	1	11	35
ENE (57- 78)	35	33	33	14	4	4	13	16	11	3	3	21	62
E (79-101)	97	78	52	78	29	6	18	13	4	9	3	44	110
ESE (102-123)	60	113	79	72	39	17	9	17	1	10	1	44	114
SE (124-146)	106	56	51	44	62	11	14	16	9	0	0	37	120
SSE (147-168)	50	92	21	21	48	23	29	17	9	16	1	35	100
S (169-191)	72	96	90	75	44	48	59	33	10	2	1	48	127
SSW (192-213)	114	73	76	55	110	81	55	36	26	38	20	54	114
SW (214-236)	114	115	122	134	115	108	97	64	37	45	37	84	134
WSW (237-258)	83	80	106	97	103	142	96	142	143	105	43	99	150
W (259-281)	114	74	146	185	149	191	185	180	182	176	74	159	222
WNW (282-303)	95	111	97	156	145	138	214	255	357	428	78	214	428
NW (304-326)	26	41	40	38	105	137	155	152	163	122	26	116	310
NNW (327-348)	1	3	21	8	32	74	25	39	35	32	0	22	74

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APR 1968 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALBROOK FOREST SITE
20 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	19	1	4	3	16	2	7	3	17	18	3	18	19	10
NNE (12- 33)	1	1	10	10	9	3	11	7	18	35	8	20	15	22
NE (34- 56)	17	5	12	4	9	7	7	38	24	61	27	40	19	39
ENE (57- 78)	13	15	6	19	3	4	4	16	21	63	67	54	56	71
E (79-101)	30	7	19	13	3	11	51	26	33	21	66	62	30	52
ESE (102-123)	7	14	0	3	2	10	20	7	44	70	105	86	115	77
SE (124-146)	9	24	12	15	31	19	13	16	56	78	112	99	108	98
SSE (147-168)	8	23	29	4	13	39	16	13	45	95	60	65	34	102
S (169-191)	22	2	15	1	17	20	2	21	71	92	66	54	50	54
SSW (192-213)	31	15	23	46	18	43	30	22	57	63	48	60	47	73
SW (214-236)	60	60	47	66	59	34	37	47	129	126	70	117	105	108
WSW (237-258)	172	194	199	160	139	181	233	186	123	124	124	96	115	69
W (259-281)	237	210	276	241	305	284	214	246	151	76	88	82	109	96
WNW (282-303)	291	287	271	266	293	250	295	307	95	59	49	51	62	78
NW (304-326)	49	122	47	138	75	65	52	44	94	18	45	50	83	37
NNW (327-348)	33	15	30	15	9	30	0	2	18	4	19	25	34	12

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
N (349- 11)	14	4	11	13	2	1	1	2	12	1	1	9	19
NNE (12- 33)	24	14	32	5	4	13	20	17	2	1	1	13	35
NE (34- 56)	27	29	53	52	13	6	6	15	4	4	4	22	61
ENE (57- 78)	59	48	27	41	4	12	15	2	13	7	2	28	47
E (79-101)	48	76	79	46	27	27	11	10	5	6	3	32	79
ESE (102-123)	37	70	55	69	35	4	24	4	0	1	0	36	115
SE (124-146)	108	131	24	33	75	11	6	15	2	2	2	46	131
SSE (147-168)	100	69	59	43	57	19	43	26	4	17	3	41	102
S (169-191)	89	63	69	53	93	46	45	53	25	17	1	44	93
SSW (192-213)	139	66	67	88	83	107	40	15	23	36	15	55	137
SW (214-236)	57	79	114	80	103	158	77	61	66	39	34	79	158
WSW (237-258)	95	115	141	213	125	138	169	229	192	136	69	153	239
W (259-281)	109	93	120	134	179	147	243	217	272	329	76	186	329
WNW (282-303)	21	37	65	72	139	158	197	212	246	291	21	173	307
NW (304-326)	55	45	43	35	41	101	46	74	109	66	18	65	136
NNW (327-348)	17	9	20	24	18	43	17	44	26	26	0	21	44

No Radiation Data This Period

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

APRIL 1965 RECORDING RAIN GAGES ALBROOK FOREST SITE

HOURLY TOTALS IN INCHES X 100

GAGE NO	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
1	0	0	0	0	0	0	0	0	0	0	4	5	3	3
2	No Data This Period													
3	No Data This Period													
4	No Data This Period													
5	0	0	0	0	0	0	0	0	0	0	5	6	3	0
6	0	0	0	0	0	0	0	0	0	0	3	4	2	0
7	0	0	0	0	0	0	0	0	0	0	5	7	4	3
8	0	0	0	0	0	0	0	0	0	0	4	6	5	0
9	0	0	0	0	0	0	0	0	0	0	4	6	3	2
MEAN OF GAGE 5-9	0	0	0	0	0	0	0	0	0	0	26	36	21	6
NO HOURS W/RAIN AT 46 %	0	0	0	0	0	0	0	0	0	0	1	1	1	1

GAGE NO	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	TOTAL	NO HOURS W/RAIN	MEAN
1	12	2	4	2	0	0	0	0	1	14	50	10	50
2													
3													
4													
5	4	1	2	1	0	0	0	0	4	8	34	9	37
6	6	1	2	1	0	0	0	0	4	8	31	9	34
7	12	1	4	3	0	0	0	0	5	12	56	10	56
8	8	2	4	2	0	0	0	0	4	8	43	10	53
9	8	2	6	4	0	0	0	0	7	12	54	10	54
MEAN OF GAGE 5-9	47	7	22	13	0	0	0	0	30	60			
NO HOURS W/RAIN AT 46 %	1	1	1	1	0	0	0	0	1	1			

No Data This Period

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

TEMPERATURE IN DEGREES FAHRENHEIT X 100

[illegible] 1969 ALGADON FOREST SITE

LOCAL STANDARD TIME	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8177	8278	8306	8239	8164
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8156	8267	8303	8251	8158
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8039	8165	8256	8171	8100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8135	8243	8328	8234	8164
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7999	8122	8240	8172	8101
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8296	8424	8350	8283
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8129	8250	8296	8269	8165
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8166	8311	8432	8373	8300
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8232	8282	8246	8119
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8066	8222	8249	8203	8125
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8045	8216	8251	8218	8093

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7100	7814	8900
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7543	7020	7787	8870
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6620	7661	9150
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6760	7736	9010
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6640	7647	8690
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6790	7623	9020
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7727	8900
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7744	9030
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7700	8960

[illegible]

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEAN OF THE HOURLY TEMPERATURE IN DEGREES FAHRENHEIT X 10

MAY 19[illegible]

[illegible] FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
44.0	69	61	70	50	56	66	70	70	72	80	150	137	141	143
39.0	69	61	58	61	51	76	61	67	80	67	148	138	139	151
34.0	76	101	70	107	58	67	111	119	140	125	137	172	156	154
30.0	57	97	61	107	62	57	109	120	111	126	162	174	144	157
22.0	71	105	70	108	100	101	127	95	126	108	143	157	150	147
13.5	77	107	80	101	101	106	[illegible]	[illegible]	122	110	149	154	170	167
9.0	67	50	67	60	77	66	81	69	60	110	145	149	147	148
6.0	77	999	999	102	150	90	117	103	102	128	160	156	171	169
2.0	66	50	61	71	71	70	61	70	71	76	148	150	150	134
1.0	66	50	65	65	71	77	61	70	101	67	144	145	143	145
0.5	61	63	61	67	65	77	61	68	62	70	144	140	138	165

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MONTHLY SUMMARY MEAN	MONTHLY SUMMARY MAX
44.0	137	126	130	116	66	60	61	76	70	70	56	95	150
39.0	130	140	140	116	96	80	90	79	72	67	58	96	151
34.0	156	150	161	134	107	60	90	67	85	74	74	120	197
30.0	161	156	151	117	66	61	111	66	71	60	57	112	174
22.0	164	155	156	145	90	67	109	61	91	77	71	117	157
13.5	169	172	160	149	106	61	91	60	66	62	77	116	172
9.0	160	180	117	115	67	65	75	73	76	171	51	101	171
6.0	176	177	118	117	66	70	999	999	999	71	71	119	177
2.0	161	160	163	110	67	66	71	69	57	66	58	94	161
1.0	151	110	111	110	61	61	75	60	67	63	57	73	153
0.5	151	126	117	100	[illegible]	76	71	67	65	62	60	91	165

NOTE - THE SYMBOL [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] 13-20 [illegible].

[illegible] SUMMARY OF METEOROLOGICAL OBSERVATIONS

[illegible] TEMPERATURE IN DEGREES FAHRENHEIT X 10

[illegible]

[illegible] FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	860	880	885	890	873
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	858	877	886	887	872
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	865	915	898	879	871
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	869	886	901	880	883
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	862	889	878	872
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	867	884	901	902	890
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	875	880	880	860
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	871	890	903	903	895
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	870	890	880	865
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	860	882	881	872	875
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	840	870	860	878	875

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	890
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	887
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	915
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	901
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	889
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	902
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	890
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	903
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	890
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	882
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTE - [illegible]

[illegible] NUMBER OF METEOROLOGICAL OBSERVATIONS

[illegible] DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

[illegible] 1969 ALBUQUERQUE FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
40.0	[illegible]	[illegible]	[illegible]	[illegible]	717	710	712	714	744	772	730	746	749	730
30.0	711	715	717	710	707	707	701	715	741	771	729	742	748	721
27.0	707	670	666	666	666	666	667	669	721	740	718	726	723	717
20.0	716	670	670	667	[illegible]	666	676	699	734	743	724	727	736	726
22.0	705	666	665	667	665	666	664	690	711	736	719	732	728	723
15.0	709	665	665	664	661	675	675	705	743	757	735	747	732	723
10.0	719	711	735	665	663	660	665	721	742	747	730	741	733	732
5.0	724	555	555	665	663	662	675	705	732	743	730	747	732	726
2.0	712	712	705	663	663	663	660	720	741	770	732	740	730	731
1.0	712	711	705	663	663	663	665	720	710	771	736	736	729	730
0.5	712	710	705	663	663	663	660	720	749	770	736	740	740	710

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
40.0	731	736	720	716	716	716	720	724	720	720	710
30.0	705	732	710	716	716	715	710	721	715	719	702
27.0	700	672	726	701	696	701	698	721	677	677	662
20.0	721	696	710	716	716	712	677	711	716	715	676
22.0	695	667	720	700	706	705	706	699	726	725	664
15.0	721	695	736	725	721	721	715	716	720	720	679
10.0	722	719	720	715	711	716	711	717	716	715	689
5.0	721	677	717	715	711	715	555	555	555	710	689
2.0	717	721	720	716	711	716	715	716	716	713	689
1.0	715	715	720	716	716	716	720	716	715	715	689
0.5	715	715	720	716	716	716	715	716	716	715	681

[illegible] * [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] METEOROLOGICAL OBSERVATIONS

[illegible] OF [illegible] IN [illegible] = 100

[illegible] 1954 ALBROOK FOREST SITE

LEVEL MILLIBARS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
100.0	7367	7360	7327	7316	7300	7269	7247	7405	7431	7512	7522	7521	7515	7493
99.0	7428	7423	7406	7395	7370	7356	7365	7506	7614	7631	7644	7636	7630	7589
96.0	7283	7266	7249	7200	7166	7167	7217	7376	7553	7657	7696	7748	7675	7659
90.0	7350	7323	7270	7260	7230	7216	7264	7432	7566	7683	7703	7762	7737	7769
80.0	7181	7166	7136	7376	7056	7065	7203	7259	7416	7513	7549	7619	7590	7552
70.0	7417	7390	7356	7330	7302	7265	7326	7566	7671	7760	7812	7917	7864	7818
60.0	7369	7356	7331	7294	7261	7264	7319	7455	7629	7659	7674	7679	7673	7638
50.0	7461	7460	7436	7372	7340	7330	7375	7549	7710	7829	7870	7928	7916	7936
40.0	7412	7360	7369	7366	7325	7311	7356	7562	7703	7751	7776	7769	7772	7723
30.0	7368	7352	7326	7316	7265	7273	7360	7501	7676	7742	7771	7751	7740	7708
20.0	7412	7387	7366	7361	7326	7312	7351	7535	7721	7607	7839	7812	7800	7754

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
100.0	7466	7479	7465	7456	7431	7410	7394	7374	7361	7354	6970	7411	7950
99.0	7569	7560	7560	7567	7523	7496	7477	7462	7445	7436	7010	7504	7990
96.0	7566	7563	7560	7523	7462	7465	7386	7335	7317	7295	6600	7431	8310
90.0	7563	7560	7510	7573	7477	7460	7423	7381	7373	7356	6650	7477	8190
80.0	7609	7607	7556	7512	7336	7296	7290	7216	7147	7175	6360	7309	8200
70.0	7708	7712	7726	7669	7613	7551	7524	7478	7461	7439	6680	7572	8060
60.0	7613	7623	7636	7597	7561	7468	7459	7435	7411	7363	6850	7492	8000
50.0	7636	7724	7743	7765	7664	7603	7573	7541	7437	7495	6660	7626	8150
40.0	7708	7725	7755	7663	7596	7563	7503	7476	7456	7423	6980	7555	8130
30.0	7668	7676	7666	7636	7563	7560	7466	7440	7406	7379	6930	7521	8100
20.0	7713	7726	7726	7676	7630	7567	7504	7470	7453	7421	6880	7568	.

[illegible] * [illegible] DATA FOR [illegible] • [illegible] 10-4 [illegible].

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

VALUE OF DRY BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MAY 1964 ALMANDOR FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	54	54	53	53	50	51	51	47	45	40	48	64	83	68
39.0	55	54	53	54	57	59	55	50	49	47	63	68	86	80
37.0	99	114	110	104	104	99	111	109	555	117	128	108	555	555
30.0	54	63	69	64	62	62	88	92	95	103	115	120	113	103
22.0	72	114	107	100	106	107	114	96	98	100	99	121	105	101
13.5	68	107	85	92	100	97	100	100	84	100	129	555	555	555
8.0	60	56	60	64	70	72	75	59	56	40	64	52	87	72
4.0	71	101	106	101	100	100	111	97	555	555	555	555	555	555
2.0	62	59	62	66	72	73	79	70	47	49	69	60	79	81
1.0	59	53	60	555	69	73	79	62	50	39	72	64	80	70
0.5	61	59	62	65	65	73	80	69	46	41	69	61	80	71

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	70	93	83	72	61	60	71	64	61	52	40	61	93
39.0	87	67	63	76	65	71	70	64	60	58	50	65	87
37.0	555	104	102	106	108	97	555	98	98	90	90	105	128
30.0	99	110	60	69	72	70	91	77	63	62	54	87	120
22.0	79	95	106	116	94	93	91	72	82	82	72	97	121
13.5	555	115	87	79	76	68	74	71	67	62	61	555	129
8.0	69	68	60	62	71	64	64	64	61	131	40	68	131
4.0	555	555	69	60	77	73	555	555	555	65	65	555	555
2.0	76	71	63	61	73	71	67	68	69	59	47	69	93
1.0	79	72	66	61	70	69	65	64	61	59	39	67	94
0.5	71	73	63	63	74	70	69	66	65	59	41	68	93

NOTE: [illegible] * INDICATES DATA FROM [illegible] DAYS, [illegible] 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MAY 1968 ALBRUCK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	759	755	754	753	750	750	750	760	766	769	780	774	783	778
39.0	769	765	764	765	761	760	760	772	799	793	785	788	796	790
32.0	752	754	757	756	745	744	761	767	789	813	815	811	802	820
30.0	764	760	754	755	754	752	757	776	790	805	613	819	818	813
22.0	753	753	749	746	750	753	752	764	777	784	787	820	793	794
13.5	779	775	768	768	771	767	768	766	792	802	555	813	815	810
8.0	770	762	760	759	760	760	760	777	788	781	792	791	799	791
4.0	784	781	775	773	775	774	777	790	555	555	555	555	555	555
2.0	773	769	765	765	764	763	767	788	789	800	800	800	802	801
1.0	769	761	760	555	759	759	762	760	790	790	800	799	800	798
0.5	773	769	765	764	762	763	768	783	792	800	801	801	810	801

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	770	795	783	770	760	765	769	764	761	760	795
39.0	799	788	793	781	771	776	776	774	770	770	799
32.0	800	788	793	787	775	767	763	758	760	752	815
30.0	807	794	790	786	780	770	770	771	767	763	819
22.0	782	777	793	785	763	766	762	756	756	753	820
13.5	806	803	804	798	788	786	785	784	783	778	815
8.0	787	790	800	789	779	772	772	774	770	770	800
4.0	555	815	813	806	796	789	791	793	792	784	815
2.0	799	801	813	801	783	779	777	760	786	772	813
1.0	795	800	810	800	799	776	775	778	771	769	810
0.5	800	800	813	803	785	780	778	760	780	774	813

NOTE THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, • FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MINIMUM WET BULB TEMPERATURE IN DEGREES FAHRENHEIT X 10

MAY 1968

ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	705	701	701	700	700	699	699	713	723	729	712	710	700	710
39.0	714	711	711	709	704	701	705	722	730	726	722	720	710	710
32.0	653	640	647	652	641	645	650	658	674	696	703	703	645	555
30.0	710	677	665	671	672	670	669	684	705	702	698	699	705	710
22.0	681	639	642	646	644	646	636	666	679	684	688	699	688	693
13.5	711	668	673	676	671	670	668	686	706	710	705	712	715	713
8.0	710	708	700	695	690	688	685	718	732	741	728	739	712	719
4.0	713	680	669	672	675	674	666	693	709	713	710	721	716	716
2.0	711	710	703	699	692	690	688	718	742	751	731	740	723	720
1.0	710	708	700	695	690	666	683	718	740	751	728	735	720	728
0.5	712	710	703	699	697	690	688	714	746	759	732	740	730	730

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN
46.0	700	702	700	698	699	697	698	700	700	708	697
39.0	712	721	710	705	706	705	706	710	710	712	701
32.0	721	684	691	681	667	670	663	660	662	662	640
30.0	708	684	710	697	708	700	689	694	704	701	665
22.0	707	682	687	669	669	673	671	684	674	671	636
13.5	713	688	717	719	712	718	711	723	716	716	668
8.0	718	722	712	707	708	708	708	710	709	555	685
4.0	716	686	724	716	719	716	555	555	555	719	666
2.0	723	730	720	710	710	708	710	712	711	713	688
1.0	722	728	716	709	709	710	710	710	710	710	683
0.5	729	730	720	710	711	710	710	712	715	715	688

NOTE THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, & F 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MEANS OF RELATIVE HUMIDITY IN PERCENT * 100

MAY 1963 ALBRUOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	9027	9043	9121	9077	9104	9125	8996	8645	7995	7350	7069	7010	7193	7378
39.0	9547	9587	9634	9654	9673	9635	9536	9149	8567	7874	7548	7367	7589	7778
32.0	9485	9471	9536	9506	9510	9513	9533	9290	8854	8407	8107	7975	8028	8360
30.0	9495	9444	9439	9440	9461	9468	9412	9093	8633	8149	7849	7785	8041	8189
22.0	8971	9020	9031	9032	9056	9060	9041	8902	8475	7986	7691	7551	7718	7823
13.5	9371	9412	9401	9444	9451	9423	9423	9302	8822	8249	8064	8005	8112	8273
8.0	9644	9624	9662	9670	9671	9673	9646	9476	8676	8033	7866	7545	7695	7941
4.0	9462	9481	9499	9465	9487	9504	9511	9410	9102	8604	8239	8032	8221	8536
2.0	9882	9859	9863	9900	9893	9885	9866	9799	9334	8643	8185	7992	8151	8412
1.0	9621	9650	9663	9676	9681	9678	9630	9619	9240	8616	8231	7994	8108	8346
0.5	9877	9873	9875	9900	9891	9880	9865	9799	9513	8999	8466	8262	8347	8594

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	7763	7928	8035	8124	8357	8532	8688	8715	8461	8972	5100	8337	9950
39.0	8181	8343	8446	8581	8871	8993	9172	9277	9407	9518	5530	8830	9990
32.0	8516	8810	8857	8860	9132	9307	9348	9390	9497	9516	7780	9034	9990
30.0	8435	8607	8642	8754	9002	9174	9266	9268	9401	9454	5620	8911	9990
22.0	8096	8276	8244	8365	8647	8807	8865	8816	8945	9010	5990	8563	9990
13.5	8468	8660	8662	8766	9031	9194	9256	9279	9346	9386	5450	8952	9990
8.0	8405	8624	8748	8915	9279	9446	9412	9537	555	9499	5330	9017	9990
4.0	8672	8780	8869	9012	9168	9318	9338	9360	9391	9485	5210	9083	9990
2.0	8840	9014	9172	9343	9568	9741	9759	9776	9865	9878	5590	9360	9990
1.0	8709	8914	9076	9269	9426	9527	9565	9609	9634	9649	5990	9215	9990
0.5	8958	9127	9307	9412	9634	9757	9801	9833	9869	9858	6250	9446	9990

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

CASE OF RELATIVE HUMIDITY 1% PERCENT < 10

MAY 1968 ALPROOF FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	121	90	128	177	161	173	175	112	263	275	355	385	362	439
39.0	127	119	106	132	123	148	143	210	268	302	362	413	412	446
32.0														
30.0	162	201	210	221	194	193	193	249	269	347	336	429	414	394
22.0	162	140	134	146	144	168	164	171	269	285	320	355	396	392
13.5	138	178	164	157	150	142	140	335	332	271	332	404	414	404
8.0	145	129	129	129	103	133	160	198	287	250	372	414	410	435
4.0	118	110	111	115	112	117	130	130	201	207	352	334	349	353
2.0	63	49	50	45	46	45	144	17	203	269	362	395	373	440
1.0	89	54	51	73	50	50	67	104	177	235	323	362	384	364
0.5	60	67	59	54	50	50	59	12	162	197	344	374	350	314

LEVEL METERS	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MIN	MEAN	MAX
46.0	407	352	257	218	243	174	190	164	165	139	90	233	439
39.0	409	391	257	243	209	206	205	201	167	142	106	238	446
32.0											555	555	555
30.0	366	302	309	265	250	228	241	233	184	163	162	264	429
22.0	333	330	312	230	227	165	185	191	176	169	134	233	396
13.5	359	309	283	204	216	219	159	178	151	143	138	243	414
8.0	396	335	271	237	212	196	154	170	117	555	103	233	435
4.0	240	314	243	221	201	178	167	177	555	105	105	198	353
2.0	400	340	276	202	172	160	179	134	66	53	36	190	440
1.0	392	331	276	196	164	177	171	101	67	71	50	179	392
0.5	369	291	246	166	128	124	87	74	44	44	44	159	374

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS, + FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM RELATIVE HUMIDITY IN PERCENT * 10

MAY 1968 ALBROOK FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
46.0	953	941	946	991	991	995	986	945	911	878	916	923	905	949
39.0	999	995	999	999	999	999	999	995	987	913	986	991	986	999
32.0	999	999	999	999	999	999	999	999	995	995	991	981	995	991
26.0	999	999	995	999	997	999	999	995	991	939	963	991	982	986
22.0	981	986	991	995	991	999	991	999	999	991	973	978	995	999
13.5	995	991	999	999	999	995	999	999	973	935	975	996	999	991
8.0	995	999	995	999	999	999	995	999	999	951	991	991	995	991
4.0	999	999	999	999	999	999	999	995	981	964	977	983	986	999
2.0	999	999	999	999	999	999	997	999	999	995	995	999	996	999
1.0	999	999	991	999	995	995	995	995	999	978	956	995	996	999
0.5	999	999	999	999	999	999	999	999	999	995	999	999	999	999

	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY MAX
46.0	933	976	967	930	991	931	950	946	934	967	995
39.0	999	972	981	981	981	977	991	991	995	995	999
32.0	981	995	999	999	999	999	999	999	999	999	999
26.0	995	982	995	991	995	999	995	995	999	999	999
22.0	977	999	995	959	999	986	991	996	991	999	999
13.5	981	986	999	981	999	995	991	995	995	999	999
8.0	995	991	991	991	999	995	991	995	999	999	999
4.0	995	991	991	995	986	995	999	995	995	999	999
2.0	999	999	999	999	999	999	999	999	999	999	999
1.0	991	986	999	995	999	995	999	995	995	999	999
0.5	999	999	999	999	999	999	999	999	999	999	999

NOTE - [illegible] SUMMARY * DENOTES DATA FOR 0-10 DAYS. * FOR 10-20 DAYS.

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAXIMUM RELATIVE HUMIDITY IN PERCENT + 10

MAY 1960 — ALASKA FOREST SITE

LEVEL METERS	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
40.0	972	971	970	970	970	972	971	963	960	953	943	930	943	910
30.0	972	970	969	967	970	971	970	965	960	931	920	970	970	955
22.0														
20.0	977	980	965	970	985	980	980	960	962	956	927	962	980	976
12.0	979	980	957	967	967	978	977	970	935	900	953	973	979	977
10.0	959	919	915	962	960	953	919	900	943	984	943	942	985	967
5.0	990	970	980	970	990	980	935	901	917	901	919	977	965	990
4.0	991	990	990	991	987	982	989	945	960	957	929	949	937	944
2.0	990	990	990	990	991	990	955	912	990	920	913	990	923	990
1.0	990	995	990	990	995	995	977	991	977	963	933	933	917	915
0.5	995	992	990	995	990	990	990	917	937	990	955	925	949	985

	0500	0600	0700	0800	0900	2000	2100	2200	2300	2400	PONTOON SUPPORT 910
40.0	940	940	910	922	940	950	960	992	990	970	910
30.0	990	991	920	990	992	991	990	990	970	993	993
22.0											995
20.0	970	990	980	960	990	991	990	992	915	980	962
12.0	980	985	983	970	992	980	990	995	915	910	999
10.0	970	977	910	977	990	990	982	970	980	974	985
5.0	990	990	960	990	992	990	937	975	982	995	933
4.0	915	977	940	990	990	917	912	980	995	990	971
2.0	990	999	929	990	970	990	970	985	991	990	990
1.0	990	985	929	990	915	972	970	990	970	970	990
0.5	990	990	990	990	975	975	992	985	995	995	975

NOTE - THE SYMBOL * DENOTES DATA FOR 0-10 DAYS. + FOR 11-20 DAYS.

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAY 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE

1300 METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	14	7	15	15	37	16	0	20	66	63	35	36	77	68
NNE (12- 33)	8	24	31	0	29	7	7	7	53	116	31	61	13	121
NE (34- 56)	4	2	4	0	7	4	5	20	59	67	130	112	58	71
ENE (57- 78)	0	3	0	0	7	0	24	0	52	69	68	162	47	117
E (79-101)	7	15	7	16	4	5	0	19	7	86	86	77	159	53
ESE (102-123)	12	2	11	15	14	5	0	19	27	135	135	136	84	82
SE (124-146)	33	20	17	11	15	6	12	17	31	86	111	55	94	104
SSE (147-168)	21	20	22	22	9	31	10	31	56	59	36	45	66	63
S (169-191)	11	13	5	29	19	30	15	24	59	77	25	81	68	110
SSW (192-213)	34	24	32	29	25	46	49	35	57	46	50	76	33	56
SW (214-236)	35	44	46	32	43	25	32	64	64	41	50	29	27	41
WSW (237-258)	55	56	53	42	48	43	10	53	32	36	18	29	16	24
W (259-281)	60	32	36	53	45	36	57	42	37	31	22	20	32	19
WNW (282-303)	62	54	62	62	70	51	34	46	28	15	14	15	25	14
NW (304-326)	38	57	43	73	41	34	49	36	25	19	32	27	29	38
NNW (327-348)	46	60	22	46	46	50	21	1	40	31	39	36	58	23

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N (349- 11)	81	35	72	96	13	53	35	27	38	3
NNE (12- 33)	39	74	29	132	67	30	11	0	3	0
NE (34- 56)	113	57	16	51	32	7	5	22	5	3
ENE (57- 78)	76	89	35	54	35	16	21	1	3	5
E (79-101)	160	127	57	47	25	15	5	15	6	7
ESE (102-123)	73	1	50	53	33	14	17	3	11	1
SE (124-146)	55	57	46	31	39	21	13	2	12	13
SSE (147-168)	65	43	33	50	57	40	33	31	22	3
S (169-191)	72	40		77	35	34	11	23	22	13
SSW (192-213)	34	53	39	53	23	18	33	25	14	17
SW (214-236)	31	35	45	25	40	15	14	53	40	43
WSW (237-258)	24	33	11	42	24	45	42	57	40	55
W (259-281)	45	22	40	37	39	45	40	41	60	49
WNW (282-303)	22	21	23	31	41	44	50	56	51	80
NW (304-326)	35	31	32	31	54	51	33	47	47	43
NNW (327-348)	32	30	23	51	71	55	55	47	41	40

WEATHER SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAY 1956 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION ALBROOK FOREST SITE
NO. METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N (349- 11)	62	52	14	1[illegible]	116	12	[illegible]	61	115	114	6	5	3	6
NNE (12- 33)	6	[illegible]	6	6	5	5	[illegible]	6	6	267	7	9	8	7
NE (34- 56)	37	34	35	[illegible]	[illegible]	11	[illegible]	72	133	74	42	71	42	38
ENE (57- 78)	5	21	[illegible]	24	[illegible]	28	[illegible]	29	63	125	111	79	72	47
E (79-101)	35	12	13	26	32	6	30	15	47	46	83	77	102	81
ESE (102-123)	38	13	25	7	14	10	1[illegible]	22	34	62	66	106	98	100
SE (124-146)	5	11	[illegible]	10	21	22	[illegible]	7	33	34	64	77	74	133
SSE (147-168)	13	[illegible]	[illegible]	22	25	4	[illegible]	13	31	26	99	116	103	57
S (169-191)	29	17	32	[illegible]	15	23	17	13	53	48	104	53	52	89
SSW (192-213)	15	25	37	13	13	33	[illegible]	34	50	47	45	47	54	57
SW (214-236)	31	29	37	31	33	36	[illegible]	36	57	60	38	46	46	39
WSW (237-258)	35	29	25	36	31	37	32	63	43	31	33	43	26	45
W (259-281)	53	62	56	57	50	44	39	56	35	32	25	23	36	29
WNW (282-303)	60	73	65	50	65	59	[illegible]	40	23	18	15	16	14	20
NW (304-326)	43	55	37	35	50	56	53	44	29	21	21	12	15	17
NNW (327-348)	70	34	25	25	44	32	37	46	57	17	8	26	55	5

DIRECTION	1500	1600	1700	1800	1900	2000	21[illegible]	2200	2300	2400
N (349- 11)	62	6	33	[illegible]	3	61	115	62	17	3
NNE (12- 33)	13	[illegible]	6	57[illegible]	7	3	[illegible]	3	4	7
NE (34- 56)	46	102	133	[illegible]	5	36	4	6	11	39
ENE (57- 78)	7[illegible]	62	73	27	4	8	[illegible]	26	20	7
E (79-101)	36	71	72	70	29	5	[illegible]	10	2	11
ESE (102-123)	59	103	46	66	35	17	13	15	4	12
SE (124-146)	115	69	54	45	66	12	13	20	11	3
SSE (147-168)	62	109	27	27	53	27	[illegible]	13	11	22
S (169-191)	52	79	76	53	35	51	31	2[illegible]	[illegible]	7
SSW (192-213)	61	57	53	13	75	55	[illegible]	25	2[illegible]	26
SW (214-236)	54	54	26	53	54	37	[illegible]	32	21	22
WSW (237-258)	31	33	4	4[illegible]	41	56	[illegible]	53	54	33
W (259-281)	32	24	3[illegible]	41	35	45	[illegible]	45	47	41
WNW (282-303)	17	17	2[illegible]	41	37	45	[illegible]	58	62	73
NW (304-326)	17	23	2[illegible]	2	53	45	[illegible]	52	55	45
NNW (327-348)	7	11	3[illegible]	2[illegible]	6[illegible]	135	4[illegible]	71	57	46

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAY 1966 PERCENT FREQUENCY OF WIND OCCURRENCE BY DIRECTION AIRDROP FOREST SITE
20.0 METERS

DIRECTION		0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N	1969- 113	42	3	12	4	6	7	3	4	96	91	7	95	98	52
NNE	1 12- 33	2	3	36	37	33	4	44	34	68	132	13	70	40	71
NE	1 34- 56	34	4	21	13	14	14	9	73	46	121	54	60	44	78
ENE	1 57- 78	23	22	13	28	7	14	3	23	32	68	175	70	87	109
E	1 79-101	41	4	26	15	4	16	30	44	44	28	91	77	41	71
ESE	1102-123	7	20	4	13	7	15	28	13	52	74	112	93	126	59
SE	1124-146	11	22	13	13	33	24	20	20	57	62	44	82	90	44
SSE	1147-168	12	29	32	3	13	40	29	13	46	91	40	69	37	104
S	1169-191	24	7	23	4	13	25	17	24	64	42	60	46	50	49
SSW	1192-213	25	13	13	33	13	33	23	13	42	46	42	63	40	52
SW	1214-236	38	33	32	33	43	29	23	23	61	57	36	52	54	50
WSW	1237-258	46	54	32	42	42	50	69	43	37	31	26	26	27	18
W	1259-281	62	53	67	53	62	57	43	43	23	19	21	17	25	26
WNW	1282-303	63	63	53	63	63	50	60	63	27	13	12	14	17	23
NW	1304-326	33	74	33	86	42	33	32	31	55	13	23	30	50	24
NNW	1327-348	59	52	63	13	13	57	4	3	33	5	35	48	62	25

DIRECTION		1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
N	1969- 113	91	10	53	57	6	11	4	4	54	3
NNE	1 12- 33	77	42	105	4	4	36	71	57	4	2
NE	1 34- 56	53	55	103	103	23	9	3	26	4	9
ENE	1 57- 78	66	76	42	60	7	11	11	5	15	9
E	1 79-101	57	43	46	57	35	35	14	12	7	10
ESE	1102-123	47	78	64	74	33	4	32	10	4	4
SE	1124-146	68	113	23	23	53	9	43	17	11	11
SSE	1147-168	47	69	55	46	55	18	31	21	5	10
S	1169-191	76	57	60	43	30	42	17	45	23	19
SSW	1192-213	64	50	66	80	53	74	13	15	13	27
SW	1214-236	30	38	33	40	47	78	38	31	35	29
WSW	1237-258	23	28	34	46	36	41	46	75	62	41
W	1259-281	26	21	23	35	55	53	28	31	35	35
WNW	1282-303	13	26	23	26	43	41	30	56	62	56
NW	1304-326	34	33	33	33	35	72	33	43	54	50
NNW	1327-348	43	25	46	53	48	33	13	43	46	43

MONTHLY SUMMARY OF METEOROLOGICAL OBSERVATIONS

MAY 1964 PERCENT FREQUENCY OF WIND OCCURRENCE BY TIME ALMADEN FOREST SITE
SPEED METERS

DIRECTION	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400
N 1000- 1119	9	9	10	1	11	11	12	7	11	7	15	7	21	12
NNE 1120- 1239	16	21	11	35	20	19	14	24	39	96	93	56	87	48
NE 1240- 1359	9	6	13	5	12	17	14	15	47	122	175	59	87	106
ENE 1400- 1519	1	10	11	1	4	9	5	20	34	73	101	106	94	75
E 1520-1639	7	14	5	24	5	4	5	22	25	67	48	75	61	49
ESE 1640-1759	4	16	8	11	7	10	7	3	57	56	75	72	66	61
SE 1760-1909	0	16	3	20	4	13	11	11	56	51	73	60	70	39
SSE 1910-2029	4	7	4	11	2	7	1	7	65	71	60	76	67	58
S 2030-2149	1	3	4	4	24	2	1	13	27	36	60	67	21	46
SSW 2150-2309	4	15	15	17	9	4	15	16	26	57	56	51	65	30
SW 2310-2429	25	22	22	25	19	11	11	23	36	56	26	16	26	50
WSW 2430-2549	46	30	32	17	37	11	11	36	55	56	45	37	65	47
W 2550-2669	57	51	32	50	32	50	52	51	51	55	11	51	50	35
WNW 2670-2789	203	291	209	241	193	255	222	291	175	57	11	93	133	87
NW 2790-2909	461	335	375	350	502	397	457	351	415	170	72	109	106	150
NNW 2910-3029	139	132	114	135	130	141	124	31	45	70	17	50	65	56

DIRECTION	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	MONTHLY SUMMARY 01%	02-06	06-18
N 1000- 1119	3	10	3	4	11	3	19	25	7	7	1	10	20
NNE 1120- 1239	60	36	20	25	31	10	15	16	16	17	10	36	47
NE 1240- 1359	56	65	65	1	25	4	7	3	16	7	4	30	123
ENE 1400- 1519	31	51	56	46	12	19	7	4	12	4	1	33	106
E 1520-1639	45	45	53	51	36	13	1	12	5	4	4	13	45
ESE 1640-1759	54	60	53	26	42	3	13	3	13	7	3	11	44
SE 1760-1909	63	53	63	53	13	22	11	7	7	3	3	20	70
SSE 1910-2029	77	39	47	21	53	44	20	4	4	7	1	27	77
S 2030-2149	42	46	40	41	29	32	22	20	12	12	1	24	56
SSW 2150-2309	57	27	47	31	24	29	7	4	13	4	4	31	77
SW 2310-2429	45	24	33	31	45	13	13	13	16	13	10	31	71
WSW 2430-2549	39	45	29	37	31	44	13	44	31	22	22	45	49
W 2550-2669	77	47	41	72	133	41	17	44	35	41	10	38	131
WNW 2670-2789	112	144	153	175	112	145	240	193	193	256	47	175	236
NW 2790-2909	175	224	127	194	236	196	144	304	240	144	7	277	442
NNW 2910-3029	17	41	163	147	134	144	147	236	147	144	17	134	236

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13. ABSTRACT

This report contains detailed microclimatic data for March-May 1968 from a specific site in the Panama Canal Zone. The data are presented in tabular form, summarized for hourly and/or daily observations from surface to 46-meter levels. Elements listed are: temperature, precipitation, wind speed and direction, relative humidity evaporation, radiation, vapor pressure, and saturation deficit.

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